



ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: ARSYNCO
IAL Case Number: E13-10748

These data have been reviewed and accepted by:

A handwritten signature in black ink, appearing to read "Michael H. Lefin".

Michael H. Lefin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E13-10748

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/29/2013@17:05

<u>Lab ID</u>	<u>Client Sample ID</u>	<u>Depth Top/Bottom</u>	<u>Sampling Time</u>	<u>Matrix</u>	<u># of Container</u>
10748-001	FF-45E (0-1.0)	0/1	10/29/2013@11:50	Soil	1
10748-002	FF-45E (1.0-2.0)	1/2	10/29/2013@11:51	Soil	1
10748-003	FF-45S (0-1.0)	0/1	10/29/2013@10:30	Soil	1
10748-004	FF-45S (1.0-2.0)	1/2	10/29/2013@10:31	Soil	1
10748-005	FF-46 (0-1.0)	0/1	10/29/2013@10:57	Soil	1
10748-006	FF-46 (1.0-2.0)	1/2	10/29/2013@10:58	Soil	1
10748-007	GG-46 (0-1.0)	0/1	10/29/2013@13:15	Soil	1
10748-008	GG-46 (1.0-2.0)	1/2	10/29/2013@13:16	Soil	1
10748-009	DD-43/EE-44 (5.0-6.0)	5/6	10/29/2013@13:55	Soil	1
10748-010	Z-46 (2.0-3.0)	2/3	10/29/2013@14:12	Soil	1
10748-011	Z-46 (3.0-4.0)	3/4	10/29/2013@14:14	Soil	1
10748-012	Z-47 (2.0-3.0)	2/3	10/29/2013@14:37	Soil	1
10748-013	Z-47 (3.0-4.0)	3/4	10/29/2013@14:38	Soil	1
10748-014	FB-28	n/a	10/29/2013@15:05	Aqueous	2

INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on November 13, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

- B Indicates the analyte was found in the associated method blank as well as in the sample.
It indicates probable laboratory contamination.
- C Indicates analyte is a common laboratory contaminant.
- D Indicates analyte was reported from diluted analysis.
- E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument.
- J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL or for qualification of tentatively identified compounds.
- N Presumptive evidence of a compound from the use of GC/MS library search.
- X Indicates samples analyzed for total and dissolved metals differ at $\leq 20\%$ RPD.
- Z Indicates internal standard failure. Sample results are either biased high or biased low.

REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and thirteen (13) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-10748, Project: ARSYNCO) on October 29, 2013 for the analysis of:

(14) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Oneida Negus
Reviewed by

11/12/13
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10748

PCB By 8082A

Batch ID: 131031-05	Matrix: Soil
----------------------------	---------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The RPD between the primary and secondary column was >40% for the following samples: 10748 -007. Per SW-846 8000C, the lower of the two concentrations was reported.
 - The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009

- E13-10748**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - Samples 10748 -001 through -005 were run with 5x dilution due to high concentrations of the target compounds. No dilution was performed for samples -006 through -009.



Signature

11/1/2013

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10748

PCB By 8082A

Batch ID: 131101-10	Matrix: Aqueous
----------------------------	------------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 014
 - The following samples were cleaned up using method 3665A: 014
- E13-10748**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for sample 10748 -014.



11/4/2013

Signature

Date

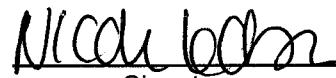
SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-10748

PCB By 8082A

Batch ID: 131031-06	Matrix: Soil
----------------------------	---------------------

- QC**
- Calibration Curve met QC criteria.
 - Surrogate Percent Recovery met QC criteria.
 - Method Blank met QC criteria.
 - LCS Percent Recovery met QC criteria.
 - MS/MSD Percent Recovery met QC criteria.
 - RPD between MS/MSD met QC criteria.
 - The following samples were cleaned up using method 3660B to remove sulfur: 010, 011, 012, 013
- E13-10748**
- All samples were extracted within holding time.
 - All samples were analyzed within holding time.
 - Retention Time Shift met QC criteria.
 - No dilution was performed for samples 10748 -010 through -013.


Nicolle Bohm

11/1/2013

Signature

Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT

Client: JMC Environmental Consultants

Project: ARSYNCO

Lab Case No.: E13-10748

Lab ID:	10748-014		
Client ID:	FB-28		
Matrix:	Aqueous		
Sampled Date	10/29/13		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	<i>(mg/L-ppm)</i>		
Aroclor-1016	ND	0.00002	
Aroclor-1221	ND	0.00002	
Aroclor-1232	ND	0.00002	
Aroclor-1242	ND	0.00002	
Aroclor-1248	ND	0.00002	
Aroclor-1254	ND	0.00002	
Aroclor-1260	ND	0.00002	
Aroclor-1262	ND	0.00002	
Aroclor-1268	ND	0.00002	
PCBs	ND		
Lab ID:	10748-001		10748-002
Client ID:	FF-45E (0-1.0)		FF-45E (1.0-2.0)
Depth:	0/1		1/2
Matrix:	Soil		Soil
Sampled Date	10/29/13		10/29/13
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>
Aroclor-1016	ND	0.152	ND
Aroclor-1221	ND	0.152	0.104
Aroclor-1232	ND	0.152	ND
Aroclor-1242	ND	0.152	0.104
Aroclor-1248	33.2	D	20.8 D
Aroclor-1254	ND	0.152	ND
Aroclor-1260	ND	0.152	0.104
Aroclor-1262	ND	0.152	ND
Aroclor-1268	ND	0.152	0.104
PCBs	33.2	D	20.8 D
Lab ID:	10748-005		10748-006
Client ID:	FF-46 (0-1.0)		FF-46 (1.0-2.0)
Depth:	0/1		1/2
Matrix:	Soil		Soil
Sampled Date	10/29/13		10/29/13
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	<i>(mg/Kg-ppm)</i>		<i>(mg/Kg-ppm)</i>
Aroclor-1016	ND	0.153	ND
Aroclor-1221	ND	0.153	0.024
Aroclor-1232	ND	0.153	ND
Aroclor-1242	ND	0.153	0.024
Aroclor-1248	9.38	D	0.153 ND
Aroclor-1254	ND	0.153	0.024
Aroclor-1260	ND	0.153	0.024
Aroclor-1262	ND	0.153	0.024
Aroclor-1268	ND	0.153	0.024
PCBs	9.38	D	ND

ND = Analyzed for but Not Detected at the MDL

D = The compound was reported from the Diluted analysis

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-10748

	Lab ID: Client ID: Depth: Matrix: Sampled Date	10748-009 DD-43/EE-44 (5.0-6.0) 5/6 Soil 10/29/13	10748-010 Z-46 (2.0-3.0) 2/3 Soil 10/29/13	10748-011 Z-46 (3.0-4.0) 3/4 Soil 10/29/13	10748-012 Z-47 (2.0-3.0) 2/3 Soil 10/29/13
PARAMETER(Units)		Conc Q MDL	Conc Q MDL	Conc Q MDL	Conc Q MDL
PCB's (Units)		(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)	(mg/Kg-ppm)
Aroclor-1016		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1221		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1232		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1242		ND 0.017	2.81 0.028	ND 0.022	ND 0.032
Aroclor-1248	0.103	0.017	ND 0.028	0.121 0.022	ND 0.032
Aroclor-1254		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1260		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1262		ND 0.017	ND 0.028	ND 0.022	ND 0.032
Aroclor-1268		ND 0.017	ND 0.028	ND 0.022	ND 0.032
PCBs	0.103		2.81	0.121	ND
	Lab ID: Client ID: Depth: Matrix: Sampled Date	10748-013 Z-47 (3.0-4.0) 3/4 Soil 10/29/13			
PARAMETER(Units)		Conc Q MDL			
PCB's (Units)		(mg/Kg-ppm)			
Aroclor-1016		ND 0.020			
Aroclor-1221		ND 0.020			
Aroclor-1232		ND 0.020			
Aroclor-1242		ND 0.020			
Aroclor-1248		ND 0.020			
Aroclor-1254		ND 0.020			
Aroclor-1260		ND 0.020			
Aroclor-1262		ND 0.020			
Aroclor-1268		ND 0.020			
PCBs		ND			

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-001

Client ID: FF-45E_(

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2674.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.51g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 52.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.379	0.152
Aroclor-1221	ND		0.379	0.152
Aroclor-1232	ND		0.379	0.152
Aroclor-1242	ND		0.379	0.152
Aroclor-1248	33.2	D	0.379	0.152
Aroclor-1254	ND		0.379	0.152
Aroclor-1260	ND		0.379	0.152
Aroclor-1262	ND		0.379	0.152
Aroclor-1268	ND		0.379	0.152
PCBs	33.2	D	0.379	0.152

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-002

Client ID: FF-45E_(

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2675.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.64g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 31.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.260	0.104
Aroclor-1221	ND		0.260	0.104
Aroclor-1232	ND		0.260	0.104
Aroclor-1242	ND		0.260	0.104
Aroclor-1248	20.8	D	0.260	0.104
Aroclor-1254	ND		0.260	0.104
Aroclor-1260	ND		0.260	0.104
Aroclor-1262	ND		0.260	0.104
Aroclor-1268	ND		0.260	0.104
PCBs	20.8	D	0.260	0.104

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-003

Client ID: FF-45S_(

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2676.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.09g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 52.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.414	0.166
Aroclor-1221	ND		0.414	0.166
Aroclor-1232	ND		0.414	0.166
Aroclor-1242	ND		0.414	0.166
Aroclor-1248	13.4	D	0.414	0.166
Aroclor-1254	ND		0.414	0.166
Aroclor-1260	ND		0.414	0.166
Aroclor-1262	ND		0.414	0.166
Aroclor-1268	ND		0.414	0.166
PCBs	13.4	D	0.414	0.166

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-004

Client ID: FF-45S_(

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2677.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.45g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 31.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.267	0.107
Aroclor-1221	ND		0.267	0.107
Aroclor-1232	ND		0.267	0.107
Aroclor-1242	ND		0.267	0.107
Aroclor-1248	14.6	D	0.267	0.107
Aroclor-1254	ND		0.267	0.107
Aroclor-1260	ND		0.267	0.107
Aroclor-1262	ND		0.267	0.107
Aroclor-1268	ND		0.267	0.107
PCBs	14.6	D	0.267	0.107

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-005

Client ID: FF-46_(0

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2678.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.88g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 5

% Moisture: 55.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.383	0.153
Aroclor-1221	ND		0.383	0.153
Aroclor-1232	ND		0.383	0.153
Aroclor-1242	ND		0.383	0.153
Aroclor-1248	9.38	D	0.383	0.153
Aroclor-1254	ND		0.383	0.153
Aroclor-1260	ND		0.383	0.153
Aroclor-1262	ND		0.383	0.153
Aroclor-1268	ND		0.383	0.153
PCBs	9.38	D	0.383	0.153

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-006

Client ID: FF-46_(1

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2679.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.91g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 42.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.059	0.024
Aroclor-1221	ND		0.059	0.024
Aroclor-1232	ND		0.059	0.024
Aroclor-1242	ND		0.059	0.024
Aroclor-1248	ND		0.059	0.024
Aroclor-1254	ND		0.059	0.024
Aroclor-1260	ND		0.059	0.024
Aroclor-1262	ND		0.059	0.024
Aroclor-1268	ND		0.059	0.024
PCBs	ND		0.059	0.024

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-007

Client ID: GG-46_(0

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2680.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.16g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 10.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.083		0.043	0.017
Aroclor-1254	0.201		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.284		0.043	0.017

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-008

Client ID: GG-46_(1

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2681.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.58g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 14.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	0.146		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.146		0.042	0.017

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-009

Client ID: DD-43/EE

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2659.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.44g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 13.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.103		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.103		0.043	0.017

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-010

Client ID: Z-46_(2.

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 10/31/2013

Data file: Y2637.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.78g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 50.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.071	0.028
Aroclor-1221	ND		0.071	0.028
Aroclor-1232	ND		0.071	0.028
Aroclor-1242	2.81		0.071	0.028
Aroclor-1248	ND		0.071	0.028
Aroclor-1254	ND		0.071	0.028
Aroclor-1260	ND		0.071	0.028
Aroclor-1262	ND		0.071	0.028
Aroclor-1268	ND		0.071	0.028
PCBs	2.81		0.071	0.028

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-011

Client ID: Z-46_(3.

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 10/31/2013

Data file: Y2638.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.68g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 34.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.022
Aroclor-1221	ND		0.054	0.022
Aroclor-1232	ND		0.054	0.022
Aroclor-1242	ND		0.054	0.022
Aroclor-1248	0.121		0.054	0.022
Aroclor-1254	ND		0.054	0.022
Aroclor-1260	ND		0.054	0.022
Aroclor-1262	ND		0.054	0.022
Aroclor-1268	ND		0.054	0.022
PCBs	0.121		0.054	0.022

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-012

Client ID: Z-47_(2.

Date Received: 10/29/2013

Date Extracted: 10/31/2013

Date Analyzed: 10/31/2013

Data file: Y2639.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.14g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: 51.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.080	0.032
Aroclor-1221	ND		0.080	0.032
Aroclor-1232	ND		0.080	0.032
Aroclor-1242	ND		0.080	0.032
Aroclor-1248	ND		0.080	0.032
Aroclor-1254	ND		0.080	0.032
Aroclor-1260	ND		0.080	0.032
Aroclor-1262	ND		0.080	0.032
Aroclor-1268	ND		0.080	0.032
PCBs	ND		0.080	0.032

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-013
Client ID: Z-47_(3.
Date Received: 10/29/2013
Date Extracted: 10/31/2013
Date Analyzed: 10/31/2013
Data file: Y2640.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.051	0.020
Aroclor-1221	ND		0.051	0.020
Aroclor-1232	ND		0.051	0.020
Aroclor-1242	ND		0.051	0.020
Aroclor-1248	ND		0.051	0.020
Aroclor-1254	ND		0.051	0.020
Aroclor-1260	ND		0.051	0.020
Aroclor-1262	ND		0.051	0.020
Aroclor-1268	ND		0.051	0.020
PCBs	ND		0.051	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: E13-10748-014

Client ID: FB-28

Date Received: 10/29/2013

Date Extracted: 11/01/2013

Date Analyzed: 11/01/2013

Data file: Y2701.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous-mg/L (ppm)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/22/2013

Client ID	Lab	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
				% rec	#	% rec	#	% rec	#	% rec	#
PCB		BLKA131021-17	AQUEOUS	88		79		95		90	
PCB		LCSA131021-17	AQUEOUS	85		85		90		88	
OUTFALL		E13-10256-001	WASTE WATER	71		69		75		100	
FB-21		E13-10192-011	AQUEOUS	88		75		94		88	
FB-22		E13-10227-014	AQUEOUS	91		75		97		103	
PCB		E13-10256-001MS	WASTE WATER	78		85		84		103	
PCB		E13-10256-001MS	WASTE WATER	74		74		80		93	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 11/01/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKA131101-10	AQUEOUS	88		52		80		62	
PCB	LCSA131101-10	AQUEOUS	76		46		69		54	
FB-10281	E13-10721-027	AQUEOUS	81		49		75		58	
FB-26	E13-10679-016	AQUEOUS	80		47		73		63	
FB-27	E13-10707-020	AQUEOUS	82		50		75		59	
FB-28	E13-10748-014	AQUEOUS	77		48		71		56	
FB	E13-10877-007	AQUEOUS	74		46		68		54	
FB-29	E13-10796-024	AQUEOUS	80		50		73		66	
FB-30	E13-10867-016	AQUEOUS	76		48		70		56	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/31/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	LCSS131031-06	SOIL	95		54		85		68	
PCB	BLKS131031-06	SOIL	94		61		84		71	
V-49(3.0)	E13-10796-007	SOIL	100		59		106		72	
PCB	10796-007MS	SOIL	101		68		90		85	
PCB	10796-007MSD	SOIL	102		75		92		79	
Z-46_(2.)	E13-10748-010	SOIL	128		100		121		114	
Z-46_(3.)	E13-10748-011	SOIL	103		69		93		89	
Z-47_(2.)	E13-10748-012	SOIL	123		89		116		107	
Z-47_(3.)	E13-10748-013	SOIL	103		71		92		79	
V-50(0-1)	E13-10796-001	SOIL	119		77		107		97	
V-50(1.0)	E13-10796-002	SOIL	123		87		114		107	
V-50(2.0)	E13-10796-003	SOIL	126		91		116		103	
V-49(0-1)	E13-10796-004	SOIL	107		69		96		85	
V-49(1.0)	E13-10796-005	SOIL	122		87		113		102	
V-49(2.0)	E13-10796-006	SOIL	119		82		108		93	
U-50(0-1)	E13-10796-008	SOIL	115		77		104		94	
U-50(1.0)	E13-10796-009	SOIL	109		73		99		109	
U-49(0-1)	E13-10796-010	SOIL	116		91		107		102	
U-49(1.0)	E13-10796-011	SOIL	123		101		116		109	
U-48(2.0)	E13-10796-012	SOIL	121		84		112		105	
U-48(3.0)	E13-10796-013	SOIL	105		73		96		90	
U-47(2.0)	E13-10796-014	SOIL	128		93		119		103	
U-47(3.0)	E13-10796-015	SOIL	103		66		94		80	
V-48(2.0)	E13-10796-016	SOIL	122		88		116		120	

Surrogate QC Limits

Soil Aqueous/Leachate

TCMX = Tetrachloro-m-xylene

30-150 30-150

DCB = Decachlorobiphenyl

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 10/31/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131031-06	SOIL	94		61		84		71	
U-50(1.0)	E13-10796-009DL	SOIL	134		92		125		112	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil

30-150

Aqueous/Leachate

30-150

30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 11/01/2013

Client ID	Sample ID	Matrix	TCMX 1		DCB 1		TCMX 2		DCB 2	
			% rec	#	% rec	#	% rec	#	% rec	#
PCB	BLKS131031-05	SOIL	95		61		86		73	
PCB	LCSS131031-05	SOIL	94		62		85		72	
DD-43/EE	E13-10748-009	SOIL	95		72		86		75	
PCB	10748-009MS	SOIL	96		64		87		81	
PCB	10748-009MSD	SOIL	95		70		86		83	
PCB-8/0-	E13-10802-001	SOIL	100		69		83		80	
SW-4	E13-10741-004	SOIL	93		61		85		73	
B-5	E13-10741-005	SOIL	96		61		86		85	
S-1	E13-10743-001	SOIL	94		64		86		77	
S-2	E13-10743-002	SOIL	94		66		87		81	
S-3	E13-10743-003	SOIL	90		61		83		75	
S-4	E13-10743-004	SOIL	69		69		80		82	
S-5	E13-10743-005	SOIL	75		60		69		72	
C-6	E13-10744-001	SOLID	108		66		102		80	
C-7	E13-10744-002	SOLID	110		62		102		76	
BC-8	E13-10744-003	SOLID	106		58		100		82	
FF-45E_(	E13-10748-001	SOIL	125		75		113		103	
FF-45E_(	E13-10748-002	SOIL	112		70		104		108	
FF-45S_(	E13-10748-003	SOIL	136		82		125		108	
FF-45S_(	E13-10748-004	SOIL	105		75		98		85	
FF-46_(0	E13-10748-005	SOIL	136		81		125		102	
FF-46_(1	E13-10748-006	SOIL	110		78		103		86	
GG-46_(0	E13-10748-007	SOIL	91		65		85		70	
GG-46_(1	E13-10748-008	SOIL	93		67		86		77	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

Soil Aqueous/Leachate

30-150 30-150

30-150 30-150

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSA131101-10

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	384.3	77	40 - 140
Aroclor-1260	500.0	0.0	383.3	77	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS131031-06

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	464.6	93	40 - 140
Aroclor-1260	500.0	0.0	464.3	93	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS131031-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	457.9	92	40 - 140
Aroclor-1260	500.0	0.0	484.4	97	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: 0 out of 2 outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-10256-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	412.4	82	40 - 140
Aroclor-1260	500.0	0.0	447.4	89	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD #	% REC	% RPD	QC LIMITS RPD	REC.
Aroclor-1016	0.0	383.8	77	6	50	40 - 140	
Aroclor-1260	0.0	426.8	85	5	50	40 - 140	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID:

E13-10796-007

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	492.5	99	40 - 140
Aroclor-1260	500.0	0.0	521.8	104	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	495.5	99	0	50	40 - 140
Aroclor-1260	0.0	528.4	106	2	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: E13-10748-009

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	498.2	100	40 - 140
Aroclor-1260	500.0	0.0	500.3	100	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	REC.
Aroclor-1016	0.0	469.1	94	6	50	40 - 140
Aroclor-1260	0.0	504.3	101	1	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: Y2409.D

Instrument ID: GC-Y

Date Extracted: 10/21/2013

Matrix: AQUEOUS

Date Analyzed: 10/22/2013

Time Analyzed: 21:25

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA131021-17	10/22/2013	21:43
OUTFALL	E13-10256-001	10/22/2013	22:00
FB-21	E13-10192-011	10/22/2013	22:17
FB-22	E13-10227-014	10/22/2013	22:35
PCB	E13-10256-001MS	10/22/2013	22:52
PCB	E13-10256-001MSD	10/22/2013	23:09

PCB METHOD BLANK SUMMARY

Lab File ID: Y2696.D

Instrument ID: GC-Y

Date Extracted: 11/01/2013

Matrix: AQUEOUS

Date Analyzed: 11/01/2013

Time Analyzed: 17:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA131101-10	11/01/2013	17:54
FB-10281	E13-10721-027	11/01/2013	18:11
FB-26	E13-10679-016	11/01/2013	18:28
FB-27	E13-10707-020	11/01/2013	18:46
FB-28	E13-10748-014	11/01/2013	19:03
FB	E13-10877-007	11/01/2013	19:21
FB-29	E13-10796-024	11/01/2013	19:38
FB-30	E13-10867-016	11/01/2013	19:55

PCB METHOD BLANK SUMMARY

Lab File ID: Y2633.D Instrument ID: GC-Y

Date Extracted: 10/31/2013 Matrix: SOIL

Date Analyzed: 10/31/2013 Time Analyzed: 16:31

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131031-06	10/31/2013	16:14
V-49(3.0	E13-10796-007	10/31/2013	17:16
PCB	10796-007MS	10/31/2013	17:34
PCB	10796-007MSD	10/31/2013	17:51
Z-46_(2.	E13-10748-010	10/31/2013	18:08
Z-46_(3.	E13-10748-011	10/31/2013	18:26
Z-47_(2.	E13-10748-012	10/31/2013	18:43
Z-47_(3.	E13-10748-013	10/31/2013	19:00
V-50(0-1	E13-10796-001	10/31/2013	19:18
V-50(1.0	E13-10796-002	10/31/2013	19:35
V-50(2.0	E13-10796-003	10/31/2013	19:52
V-49(0-1	E13-10796-004	10/31/2013	20:10
V-49(1.0	E13-10796-005	10/31/2013	20:27
V-49(2.0	E13-10796-006	10/31/2013	20:45
U-50(0-1	E13-10796-008	10/31/2013	21:02
U-50(1.0	E13-10796-009	10/31/2013	21:19
U-49(0-1	E13-10796-010	10/31/2013	21:37
U-49(1.0	E13-10796-011	10/31/2013	21:54
U-48(2.0	E13-10796-012	10/31/2013	23:21
U-48(3.0	E13-10796-013	10/31/2013	23:39
U-47(2.0	E13-10796-014	10/31/2013	23:56
U-47(3.0	E13-10796-015	11/01/2013	00:13
V-48(2.0	E13-10796-016	11/01/2013	00:31
U-50(1.0	E13-10796-009DL	11/01/2013	09:30

PCB METHOD BLANK SUMMARY

Lab File ID: Y2657.D Instrument ID: GC-Y

Date Extracted: 10/31/2013 Matrix: SOIL

Date Analyzed: 11/01/2013 Time Analyzed: 01:23

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS or LCSD, MS or MSD:

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS131031-05	11/01/2013	01:40
DD-43/EE	E13-10748-009	11/01/2013	01:58
PCB	10748-009MS	11/01/2013	02:15
PCB	10748-009MSD	11/01/2013	02:33
PCB-8/0-	E13-10802-001	11/01/2013	03:59
SW-4	E13-10741-004	11/01/2013	04:17
B-5	E13-10741-005	11/01/2013	04:34
S-1	E13-10743-001	11/01/2013	04:52
S-2	E13-10743-002	11/01/2013	05:09
S-3	E13-10743-003	11/01/2013	05:26
S-4	E13-10743-004	11/01/2013	05:44
S-5	E13-10743-005	11/01/2013	06:01
C-6	E13-10744-001	11/01/2013	06:18
C-7	E13-10744-002	11/01/2013	06:36
BC-8	E13-10744-003	11/01/2013	06:53
FF-45E_(	E13-10748-001	11/01/2013	07:11
FF-45E_(	E13-10748-002	11/01/2013	07:28
FF-45S_(	E13-10748-003	11/01/2013	07:45
FF-45S_(	E13-10748-004	11/01/2013	08:03
FF-46_(0	E13-10748-005	11/01/2013	08:20
FF-46_(1	E13-10748-006	11/01/2013	08:37
GG-46_(0	E13-10748-007	11/01/2013	08:55
GG-46_(1	E13-10748-008	11/01/2013	09:12

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.23	3.23	3.23	3.23	3.23	3.23	3.16	3.30
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.10	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.23				3.16	3.30
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.39				6.31	6.47
Aroclor-1254 {2}			6.82				6.74	6.90
Aroclor-1254 {3}			6.99				6.90	7.08
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.26	8.26	8.26	8.26	8.26	7.36	9.16
Aroclor-1260 {2}	8.94	8.94	8.94	8.94	8.93	8.94	8.04	9.84
Aroclor-1260 {3}	9.41	9.41	9.41	9.41	9.41	9.41	8.51	10.31
Aroclor-1260 {4}	9.89	9.89	9.89	9.89	9.89	9.89	8.99	10.79
Aroclor-1260 {5}	10.95	10.95	10.95	10.95	10.95	10.95	10.05	11.85

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	464323	441679	382895	349177	333589	394332	14.46
Aroclor-1016 {2}	631313	643566	521731	477189	458454	546451	15.79
Aroclor-1016 {3}	806143	774449	662509	606621	589177	687780	14.26
Aroclor-1016 {4}	363540	363516	332688	305606	289774	331025	10.09
Aroclor-1016 {5}	628860	642038	551930	503774	487757	562872	12.52
Aroclor-1221			199877				
Aroclor-1221 {2}			313557				
Aroclor-1221 {3}			198732				
Aroclor-1221 {4}			681302				
Aroclor-1221 {5}			164392				
Aroclor-1232			508390				
Aroclor-1232 {2}			304333				
Aroclor-1232 {3}			272852				
Aroclor-1232 {4}			292921				
Aroclor-1232 {5}			379208				
Aroclor-1242			445331				
Aroclor-1242 {2}			289404				
Aroclor-1242 {3}			394283				
Aroclor-1242 {4}			595594				
Aroclor-1242 {5}			525307				
Aroclor-1248			1072563				
Aroclor-1248 {2}			618287				
Aroclor-1248 {3}			795414				
Aroclor-1248 {4}			1263310				
Aroclor-1248 {5}			998553				
Aroclor-1254			1250957				
Aroclor-1254 {2}			821044				
Aroclor-1254 {3}			1480779				
Aroclor-1254 {4}			1606933				
Aroclor-1254 {5}			1429697				
Aroclor-1260	1799563	1887490	1561779	1407648	1377152	1606726	14.27
Aroclor-1260 {2}	884011	896189	732678	641350	641368	759119	16.51
Aroclor-1260 {3}	2064481	2110924	1815054	1604501	1536563	1826305	14.25
Aroclor-1260 {4}	982911	1147466	964107	838195	828743	952284	13.64
Aroclor-1260 {5}	415694	477377	462681	369882	339327	412992	14.28
Average %RSD						14.01	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.36	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.32	5.32	5.32	5.32	5.25	5.39
Aroclor-1016 {5}	5.49	5.49	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.77				3.70	3.84
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.09				7.01	7.17
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.29				8.20	8.38
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.85	7.85	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.11	8.11	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.20	10.20	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y

GC Column (2nd): DB-1701P

Data File:

Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	840261	856585	714298	646843	597927	731183	15.71
Aroclor-1016 {2}	1833596	1816776	1547682	1378645	1353928	1586125	14.54
Aroclor-1016 {3}	4371716	4236799	3569561	3258945	3150851	3717574	15.04
Aroclor-1016 {4}	1871668	1849704	1597815	1454198	1410182	1636714	13.20
Aroclor-1016 {5}	1442767	1421476	1238979	1138128	1115123	1271295	12.13
Aroclor-1221			340703				
Aroclor-1221 {2}			617655				
Aroclor-1221 {3}			417322				
Aroclor-1221 {4}			1522237				
Aroclor-1221 {5}			291032				
Aroclor-1232			973678				
Aroclor-1232 {2}			425526				
Aroclor-1232 {3}			940006				
Aroclor-1232 {4}			735287				
Aroclor-1232 {5}			1002709				
Aroclor-1242			611221				
Aroclor-1242 {2}			1032956				
Aroclor-1242 {3}			1271440				
Aroclor-1242 {4}			1106793				
Aroclor-1242 {5}			2184386				
Aroclor-1248			2396754				
Aroclor-1248 {2}			3539345				
Aroclor-1248 {3}			2550731				
Aroclor-1248 {4}			2230079				
Aroclor-1248 {5}			1294923				
Aroclor-1254			2883717				
Aroclor-1254 {2}			2180898				
Aroclor-1254 {3}			1865030				
Aroclor-1254 {4}			1138169				
Aroclor-1254 {5}			2980480				
Aroclor-1260	1380266	1597791	1348190	1285120	1250722	1372418	9.90
Aroclor-1260 {2}	2170235	2320146	1904498	1826388	1764884	1997230	11.90
Aroclor-1260 {3}	1830758	1876902	1742155	1590179	1579596	1723918	7.88
Aroclor-1260 {4}	3775292	4234437	3909868	3531301	3570473	3804274	7.51
Aroclor-1260 {5}	2569926	3071676	2828424	2567649	2559367	2719408	8.36

Average %RSD

11.62

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.41				9.29	9.53
Aroclor-1262 {3}			10.04				9.92	10.16
Aroclor-1262 {4}			10.13				10.01	10.25
Aroclor-1262 {5}			10.95				10.83	11.07
Aroclor-1268			10.04				9.92	10.16
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.04				11.92	12.16

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.70				9.58	9.82
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.04				10.92	11.16
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 09/25/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y1850.D Y1849.D Y1848.D Y1847.D Y1846.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1292916				
Aroclor-1262 {2}			2408782				
Aroclor-1262 {3}			950819				
Aroclor-1262 {4}			1039798				
Aroclor-1262 {5}			871465				
Aroclor-1268			2329028				
Aroclor-1268 {2}			2439244				
Aroclor-1268 {3}			1975765				
Aroclor-1268 {4}			5596247				
Aroclor-1268 {5}			3165388				

GC Column (2nd): DB-1701P

Data File: Y1850.C Y1849.C Y1848.C Y1847.C Y1846.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2532606				
Aroclor-1262 {2}			5716193				
Aroclor-1262 {3}			2058727				
Aroclor-1262 {4}			4020600				
Aroclor-1262 {5}			980018				
Aroclor-1268			5861773				
Aroclor-1268 {2}			6124826				
Aroclor-1268 {3}			5049165				
Aroclor-1268 {4}			14509441				
Aroclor-1268 {5}			8286384				

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/22/2013 Instrument ID: GC-Y

Data File: Y2408.D GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	326823	17.12
Aroclor-1016 {2}	4.05	3.98	4.12	546451	447291	18.15
Aroclor-1016 {3}	4.60	4.53	4.67	687780	560616	18.49
Aroclor-1016 {4}	5.10	5.03	5.17	331025	292250	11.71
Aroclor-1016 {5}	5.50	5.42	5.56	562872	463278	17.69
Aroclor-1260	8.27	7.36	9.16	1606726	1321724	17.74
Aroclor-1260 {2}	8.94	8.04	9.84	759119	616407	18.80
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1544968	15.40
Aroclor-1260 {4}	9.89	8.99	10.79	952284	838008	12.00
Aroclor-1260 {5}	10.95	10.05	11.85	412992	431179	4.40

Data File: Y2408.C GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	668693	8.55
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1509293	4.84
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3393540	8.72
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1462308	10.66
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1157754	8.93
Aroclor-1260	7.85	6.95	8.75	1372418	1242036	9.50
Aroclor-1260 {2}	8.11	7.21	9.01	1997230	1806791	9.54
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1703542	1.18
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	3864696	1.59
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	2757074	1.39

AROCLOL CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/23/2013

Instrument ID: GC-Y

Data File: Y2416.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.16	3.30	394332	330763	16.12
Aroclor-1016 {2}	4.05	3.98	4.12	546451	453191	17.07
Aroclor-1016 {3}	4.60	4.53	4.67	687780	568120	17.40
Aroclor-1016 {4}	5.10	5.03	5.17	331025	296002	10.58
Aroclor-1016 {5}	5.50	5.42	5.56	562872	474340	15.73
Aroclor-1260	8.27	7.36	9.16	1606726	1373088	14.54
Aroclor-1260 {2}	8.94	8.04	9.84	759119	642532	15.36
Aroclor-1260 {3}	9.41	8.51	10.31	1826305	1615958	11.52
Aroclor-1260 {4}	9.89	8.99	10.79	952284	860268	9.66
Aroclor-1260 {5}	10.95	10.05	11.85	412992	396898	3.90

Data File: Y2416.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	731183	685886	6.20
Aroclor-1016 {2}	4.36	4.29	4.43	1586125	1332722	15.98
Aroclor-1016 {3}	5.11	5.04	5.18	3717574	3491473	6.08
Aroclor-1016 {4}	5.32	5.25	5.39	1636714	1508222	7.85
Aroclor-1016 {5}	5.49	5.42	5.56	1271295	1193600	6.11
Aroclor-1260	7.85	6.95	8.75	1372418	1279692	6.76
Aroclor-1260 {2}	8.10	7.21	9.01	1997230	1882484	5.75
Aroclor-1260 {3}	9.70	8.80	10.60	1723918	1810727	5.04
Aroclor-1260 {4}	10.20	9.30	11.10	3804274	4151895	9.14
Aroclor-1260 {5}	10.79	9.89	11.69	2719408	3028988	11.38

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.22	3.22	3.22	3.22	3.22	3.22	3.15	3.29
Aroclor-1016 {2}	4.04	4.04	4.04	4.04	4.04	4.04	3.97	4.11
Aroclor-1016 {3}	4.59	4.59	4.59	4.59	4.59	4.59	4.52	4.66
Aroclor-1016 {4}	5.10	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1016 {5}	5.48	5.48	5.49	5.49	5.49	5.48	5.41	5.55
Aroclor-1221			2.14				2.07	2.21
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.15				3.08	3.22
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.22				3.15	3.29
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.30				5.23	5.37
Aroclor-1232 {5}			5.49				5.42	5.56
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.98				4.91	5.05
Aroclor-1242 {3}			5.30				5.23	5.37
Aroclor-1242 {4}			5.99				5.92	6.06
Aroclor-1242 {5}			6.26				6.19	6.33
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.30				5.22	5.38
Aroclor-1248 {4}			5.99				5.91	6.07
Aroclor-1248 {5}			6.26				6.18	6.34
Aroclor-1254			6.38				6.30	6.46
Aroclor-1254 {2}			6.81				6.73	6.89
Aroclor-1254 {3}			6.98				6.89	7.07
Aroclor-1254 {4}			7.42				7.33	7.51
Aroclor-1254 {5}			8.26				8.17	8.35
Aroclor-1260	8.26	8.25	8.25	8.25	8.25	8.25	7.35	9.15
Aroclor-1260 {2}	8.93	8.93	8.93	8.93	8.93	8.93	8.03	9.83
Aroclor-1260 {3}	9.40	9.40	9.40	9.40	9.40	9.40	8.50	10.30
Aroclor-1260 {4}	9.88	9.88	9.88	9.88	9.88	9.88	8.98	10.78
Aroclor-1260 {5}	10.94	10.94	10.94	10.94	10.94	10.94	10.04	11.84

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	447576	450365	388612	345786	323686	391205	14.74
Aroclor-1016 {2}	627708	605785	540310	484438	452371	542122	13.92
Aroclor-1016 {3}	874719	765872	684369	615358	580856	704235	16.86
Aroclor-1016 {4}	397732	395187	335989	294619	274788	339663	16.59
Aroclor-1016 {5}	650000	629542	566447	507766	477446	566240	13.19
Aroclor-1221			192071				
Aroclor-1221 {2}			294477				
Aroclor-1221 {3}			194494				
Aroclor-1221 {4}			645697				
Aroclor-1221 {5}			155613				
Aroclor-1232			485451				
Aroclor-1232 {2}			295113				
Aroclor-1232 {3}			259888				
Aroclor-1232 {4}			289070				
Aroclor-1232 {5}			363887				
Aroclor-1242			436017				
Aroclor-1242 {2}			286372				
Aroclor-1242 {3}			394744				
Aroclor-1242 {4}			571815				
Aroclor-1242 {5}			506345				
Aroclor-1248			1024891				
Aroclor-1248 {2}			610408				
Aroclor-1248 {3}			783514				
Aroclor-1248 {4}			1193332				
Aroclor-1248 {5}			943616				
Aroclor-1254			1201203				
Aroclor-1254 {2}			793076				
Aroclor-1254 {3}			1437056				
Aroclor-1254 {4}			1570039				
Aroclor-1254 {5}			1434237				
Aroclor-1260	2164689	1822060	1649814	1491973	1376386	1700984	18.15
Aroclor-1260 {2}	1017786	828195	794125	753368	686484	815992	15.26
Aroclor-1260 {3}	2276656	1959820	1965580	1727080	1567462	1899320	14.18
Aroclor-1260 {4}	1326111	1138653	1050773	938551	874861	1065790	16.65
Aroclor-1260 {5}	427655	497378	493376	416237	392419	445413	10.64
Average %RSD						15.02	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1016	3.77	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1016 {2}	4.36	4.36	4.36	4.36	4.35	4.36	4.29	4.43
Aroclor-1016 {3}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {4}	5.32	5.32	5.31	5.31	5.31	5.32	5.25	5.39
Aroclor-1016 {5}	5.50	5.50	5.49	5.49	5.49	5.49	5.42	5.56
Aroclor-1221			2.44				2.37	2.51
Aroclor-1221 {2}			3.44				3.37	3.51
Aroclor-1221 {3}			3.67				3.60	3.74
Aroclor-1221 {4}			3.76				3.69	3.83
Aroclor-1221 {5}			5.11				5.04	5.18
Aroclor-1232			3.76				3.69	3.83
Aroclor-1232 {2}			4.74				4.67	4.81
Aroclor-1232 {3}			5.32				5.25	5.39
Aroclor-1232 {4}			5.49				5.42	5.56
Aroclor-1232 {5}			6.09				6.02	6.16
Aroclor-1242			4.74				4.67	4.81
Aroclor-1242 {2}			5.49				5.42	5.56
Aroclor-1242 {3}			6.09				6.02	6.16
Aroclor-1242 {4}			6.24				6.17	6.31
Aroclor-1242 {5}			6.79				6.72	6.86
Aroclor-1248			5.11				5.03	5.19
Aroclor-1248 {2}			5.69				5.61	5.77
Aroclor-1248 {3}			6.09				6.01	6.17
Aroclor-1248 {4}			6.24				6.16	6.32
Aroclor-1248 {5}			6.59				6.51	6.67
Aroclor-1254			7.08				7.00	7.16
Aroclor-1254 {2}			7.67				7.59	7.75
Aroclor-1254 {3}			8.28				8.19	8.37
Aroclor-1254 {4}			8.51				8.42	8.60
Aroclor-1254 {5}			9.10				9.01	9.19
Aroclor-1260	7.86	7.86	7.85	7.85	7.85	7.85	6.95	8.75
Aroclor-1260 {2}	8.11	8.11	8.10	8.10	8.11	8.11	7.21	9.01
Aroclor-1260 {3}	9.70	9.70	9.70	9.70	9.70	9.70	8.80	10.60
Aroclor-1260 {4}	10.21	10.21	10.20	10.20	10.20	10.20	9.30	11.10
Aroclor-1260 {5}	10.79	10.79	10.79	10.79	10.79	10.79	9.89	11.69

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013 Instrument ID: GC-Y
 GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1016	1077370	953453	804609	701121	709556	849222	19.20
Aroclor-1016 {2}	1918671	1960329	1608123	1381664	1325023	1638762	17.98
Aroclor-1016 {3}	4324478	4205440	4062198	3620367	3349029	3912303	10.54
Aroclor-1016 {4}	1861148	1868934	1815999	1632266	1512673	1738204	9.11
Aroclor-1016 {5}	1430926	1439767	1411203	1275811	1190022	1349546	8.24
Aroclor-1221			361519				
Aroclor-1221 {2}			570497				
Aroclor-1221 {3}			440309				
Aroclor-1221 {4}			1560405				
Aroclor-1221 {5}			298298				
Aroclor-1232			997030				
Aroclor-1232 {2}			442734				
Aroclor-1232 {3}			973980				
Aroclor-1232 {4}			762359				
Aroclor-1232 {5}			1048394				
Aroclor-1242			664309				
Aroclor-1242 {2}			1138194				
Aroclor-1242 {3}			1485300				
Aroclor-1242 {4}			1259374				
Aroclor-1242 {5}			2420970				
Aroclor-1248			2492251				
Aroclor-1248 {2}			3757343				
Aroclor-1248 {3}			2697779				
Aroclor-1248 {4}			2357309				
Aroclor-1248 {5}			1352106				
Aroclor-1254			3041071				
Aroclor-1254 {2}			2368537				
Aroclor-1254 {3}			2266311				
Aroclor-1254 {4}			1381114				
Aroclor-1254 {5}			3490970				
Aroclor-1260	1756745	1609704	1667033	1492660	1384278	1582084	9.25
Aroclor-1260 {2}	2514617	2346239	2396908	2136545	1972010	2273264	9.54
Aroclor-1260 {3}	2272642	2216880	2173205	1982348	1847768	2098568	8.47
Aroclor-1260 {4}	5104232	4840602	4813333	4433949	4194747	4677373	7.70
Aroclor-1260 {5}	3460295	3482324	3518699	3226187	3070976	3351696	5.80
Average %RSD						10.58	

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 10/24/2013

Instrument ID: GC-Y
GC Column (1st): DB-5

Data File: Y2478.D Y2477.D Y2476.D Y2475.D Y2474.D

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			8.55				8.43	8.67
Aroclor-1262 {2}			9.40				9.28	9.52
Aroclor-1262 {3}			10.03				9.91	10.15
Aroclor-1262 {4}			10.12				10.00	10.24
Aroclor-1262 {5}			10.94				10.82	11.06
Aroclor-1268			10.03				9.91	10.15
Aroclor-1268 {2}			10.12				10.00	10.24
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			11.55				11.43	11.67
Aroclor-1268 {5}			12.03				11.91	12.15

GC Column (2nd): DB-1701P

Data File: Y2478.C Y2477.C Y2476.C Y2475.C Y2474.C

Compound	RT OF STANDARDS					MEAN RT	RT WINDOW	
	10	50	500	1000	2000		FROM	TO
Aroclor-1262			9.69				9.57	9.81
Aroclor-1262 {2}			10.20				10.08	10.32
Aroclor-1262 {3}			10.70				10.58	10.82
Aroclor-1262 {4}			10.79				10.67	10.91
Aroclor-1262 {5}			11.39				11.27	11.51
Aroclor-1268			10.70				10.58	10.82
Aroclor-1268 {2}			10.78				10.66	10.90
Aroclor-1268 {3}			11.03				10.91	11.15
Aroclor-1268 {4}			12.25				12.13	12.37
Aroclor-1268 {5}			12.48				12.36	12.60

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed:

10/24/2013

Instrument ID:

GC-Y

GC Column (1st):

DB-5

Data File:

Y2478.D

Y2477.D

Y2476.D

Y2475.D

Y2474.D

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			1354994				
Aroclor-1262 {2}			2620645				
Aroclor-1262 {3}			1033050				
Aroclor-1262 {4}			1158982				
Aroclor-1262 {5}			1018815				
Aroclor-1268			2640310				
Aroclor-1268 {2}			2756865				
Aroclor-1268 {3}			2304087				
Aroclor-1268 {4}			7029273				
Aroclor-1268 {5}			4052302				

GC Column (2nd):

DB-1701P

Data File:

Y2478.C

Y2477.C

Y2476.C

Y2475.C

Y2474.C

Compound	CALIBRATION FACTORS					MEAN	%RSD
	10	50	500	1000	2000		
Aroclor-1262			2852689				
Aroclor-1262 {2}			6641766				
Aroclor-1262 {3}			2469488				
Aroclor-1262 {4}			4736320				
Aroclor-1262 {5}			986321				
Aroclor-1268			7175428				
Aroclor-1268 {2}			7449976				
Aroclor-1268 {3}			6194617				
Aroclor-1268 {4}			17839550				
Aroclor-1268 {5}			10591825				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2695.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.22	3.15	3.29	391205	409838	4.76
Aroclor-1016 {2}	4.05	3.97	4.11	542122	559648	3.23
Aroclor-1016 {3}	4.59	4.52	4.66	704235	723456	2.73
Aroclor-1016 {4}	5.10	5.02	5.16	339663	359082	5.72
Aroclor-1016 {5}	5.49	5.41	5.55	566240	594561	5.00
Aroclor-1260	8.26	7.35	9.15	1700984	1659565	2.44
Aroclor-1260 {2}	8.93	8.03	9.83	815992	758389	7.06
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1750666	7.83
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	917673	13.90
Aroclor-1260 {5}	10.94	10.04	11.84	445413	357674	19.70

Data File: Y2695.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.77	3.69	3.83	849222	989013	16.46
Aroclor-1016 {2}	4.37	4.29	4.43	1638762	1929158	17.72
Aroclor-1016 {3}	5.12	5.04	5.18	3912303	4320862	10.44
Aroclor-1016 {4}	5.33	5.25	5.39	1738204	1884019	8.39
Aroclor-1016 {5}	5.50	5.42	5.56	1349546	1479023	9.59
Aroclor-1260	7.86	6.95	8.75	1582084	1655456	4.64
Aroclor-1260 {2}	8.11	7.21	9.01	2273264	2311598	1.69
Aroclor-1260 {3}	9.70	8.80	10.60	2098568	1950590	7.05
Aroclor-1260 {4}	10.21	9.30	11.10	4677373	4195052	10.31
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	2850417	14.96

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2705.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	334723	14.44
Aroclor-1016 {2}	4.05	3.97	4.11	542122	470445	13.22
Aroclor-1016 {3}	4.60	4.52	4.66	704235	600718	14.70
Aroclor-1016 {4}	5.10	5.02	5.16	339663	307390	9.50
Aroclor-1016 {5}	5.49	5.41	5.55	566240	506834	10.49
Aroclor-1260	8.26	7.35	9.15	1700984	1521579	10.55
Aroclor-1260 {2}	8.93	8.03	9.83	815992	706098	13.47
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1772234	6.69
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	923913	13.31
Aroclor-1260 {5}	10.94	10.04	11.84	445413	395700	11.16

Data File: Y2705.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	690452	18.70
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1571125	4.13
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3560070	9.00
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1541107	11.34
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1217048	9.82
Aroclor-1260	7.85	6.95	8.75	1582084	1394875	11.83
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2038116	10.34
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1902686	9.33
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4303331	8.00
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	3020158	9.89

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/31/2013

Instrument ID: GC-Y

Data File: Y2631.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	362841	7.25
Aroclor-1016 {2}	4.05	3.97	4.11	542122	500215	7.73
Aroclor-1016 {3}	4.60	4.52	4.66	704235	640459	9.06
Aroclor-1016 {4}	5.10	5.02	5.16	339663	326170	3.97
Aroclor-1016 {5}	5.49	5.41	5.55	566240	539674	4.69
Aroclor-1260	8.26	7.35	9.15	1700984	1645815	3.24
Aroclor-1260 {2}	8.93	8.03	9.83	815992	771318	5.47
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1956864	3.03
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	1037859	2.62
Aroclor-1260 {5}	10.94	10.04	11.84	445413	425719	4.42

Data File: Y2631.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	720378	15.17
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1420476	13.32
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3720563	4.90
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1622181	6.67
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1278144	5.29
Aroclor-1260	7.85	6.95	8.75	1582084	1571195	0.69
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2260473	0.56
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2082243	0.78
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4721402	0.94
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3361994	0.31

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/31/2013

Instrument ID: GC-Y

Data File: Y2651.D

GC Column (1st): DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	361068	7.70
Aroclor-1016 {2}	4.05	3.97	4.11	542122	496205	8.47
Aroclor-1016 {3}	4.60	4.52	4.66	704235	633451	10.05
Aroclor-1016 {4}	5.10	5.02	5.16	339663	319307	5.99
Aroclor-1016 {5}	5.49	5.41	5.55	566240	530855	6.25
Aroclor-1260	8.26	7.35	9.15	1700984	1604138	5.69
Aroclor-1260 {2}	8.93	8.03	9.83	815992	738921	9.44
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1832060	3.54
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	991802	6.94
Aroclor-1260 {5}	10.94	10.04	11.84	445413	426184	4.32

Data File: Y2651.C

GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	720712	15.13
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1652678	0.85
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3711843	5.12
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1606342	7.59
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1265798	6.21
Aroclor-1260	7.85	6.95	8.75	1582084	1465506	7.37
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2131847	6.22
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2000054	4.69
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4538918	2.96
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3205288	4.37

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2662.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	354636	9.35
Aroclor-1016 {2}	4.05	3.97	4.11	542122	494785	8.73
Aroclor-1016 {3}	4.60	4.52	4.66	704235	636240	9.66
Aroclor-1016 {4}	5.10	5.02	5.16	339663	317916	6.40
Aroclor-1016 {5}	5.49	5.41	5.55	566240	536119	5.32
Aroclor-1260	8.26	7.35	9.15	1700984	1666265	2.04
Aroclor-1260 {2}	8.93	8.03	9.83	815992	770557	5.57
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1977909	4.14
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	1032962	3.08
Aroclor-1260 {5}	10.94	10.04	11.84	445413	452804	1.66

Data File: Y2662.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	741171	12.72
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1704725	4.03
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3840711	1.83
Aroclor-1016 {4}	5.31	5.25	5.39	1738204	1653800	4.86
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1307801	3.09
Aroclor-1260	7.85	6.95	8.75	1582084	1532172	3.15
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2240114	1.46
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2168164	3.32
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	5002699	6.96
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	3614062	7.83

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2683.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	333235	14.82
Aroclor-1016 {2}	4.05	3.97	4.11	542122	460741	15.01
Aroclor-1016 {3}	4.60	4.52	4.66	704235	588960	16.37
Aroclor-1016 {4}	5.10	5.02	5.16	339663	298934	11.99
Aroclor-1016 {5}	5.49	5.41	5.55	566240	493754	12.80
Aroclor-1260	8.26	7.35	9.15	1700984	1470478	13.55
Aroclor-1260 {2}	8.93	8.03	9.83	815992	683259	16.27
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1718492	9.52
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	958160	10.10
Aroclor-1260 {5}	10.94	10.04	11.84	445413	475448	6.74

Data File: Y2683.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	679507	19.98
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1556515	5.02
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3515920	10.13
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1515208	12.83
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1196506	11.34
Aroclor-1260	7.85	6.95	8.75	1582084	1365969	13.66
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	1981083	12.85
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1862204	11.26
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4320048	7.64
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3069985	8.41

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 10/31/2013

Instrument ID: GC-Y

Data File: Y2651.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	361068	7.70
Aroclor-1016 {2}	4.05	3.97	4.11	542122	496205	8.47
Aroclor-1016 {3}	4.60	4.52	4.66	704235	633451	10.05
Aroclor-1016 {4}	5.10	5.02	5.16	339663	319307	5.99
Aroclor-1016 {5}	5.49	5.41	5.55	566240	530855	6.25
Aroclor-1260	8.26	7.35	9.15	1700984	1604138	5.69
Aroclor-1260 {2}	8.93	8.03	9.83	815992	738921	9.44
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1832060	3.54
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	991802	6.94
Aroclor-1260 {5}	10.94	10.04	11.84	445413	426184	4.32

Data File: Y2651.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	720712	15.13
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1652678	0.85
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3711843	5.12
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1606342	7.59
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1265798	6.21
Aroclor-1260	7.85	6.95	8.75	1582084	1465506	7.37
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2131847	6.22
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2000054	4.69
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4538918	2.96
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3205288	4.37

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2662.D

GC Column (1st):

DB-5

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	354636	9.35
Aroclor-1016 {2}	4.05	3.97	4.11	542122	494785	8.73
Aroclor-1016 {3}	4.60	4.52	4.66	704235	636240	9.66
Aroclor-1016 {4}	5.10	5.02	5.16	339663	317916	6.40
Aroclor-1016 {5}	5.49	5.41	5.55	566240	536119	5.32
Aroclor-1260	8.26	7.35	9.15	1700984	1666265	2.04
Aroclor-1260 {2}	8.93	8.03	9.83	815992	770557	5.57
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1977909	4.14
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	1032962	3.08
Aroclor-1260 {5}	10.94	10.04	11.84	445413	452804	1.66

Data File: Y2662.C

GC Column (2nd):

DB-1701P

Compound	RT	RT WINDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	741171	12.72
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1704725	4.03
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3840711	1.83
Aroclor-1016 {4}	5.31	5.25	5.39	1738204	1653800	4.86
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1307801	3.09
Aroclor-1260	7.85	6.95	8.75	1582084	1532172	3.15
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	2240114	1.46
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	2168164	3.32
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	5002699	6.96
Aroclor-1260 {5}	10.79	9.89	11.69	3351696	3614062	7.83

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 11/01/2013

Instrument ID: GC-Y

Data File: Y2683.D

GC Column (1st): DB-5

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.23	3.15	3.29	391205	333235	14.82
Aroclor-1016 {2}	4.05	3.97	4.11	542122	460741	15.01
Aroclor-1016 {3}	4.60	4.52	4.66	704235	588960	16.37
Aroclor-1016 {4}	5.10	5.02	5.16	339663	298934	11.99
Aroclor-1016 {5}	5.49	5.41	5.55	566240	493754	12.80
Aroclor-1260	8.26	7.35	9.15	1700984	1470478	13.55
Aroclor-1260 {2}	8.93	8.03	9.83	815992	683259	16.27
Aroclor-1260 {3}	9.40	8.50	10.30	1899320	1718492	9.52
Aroclor-1260 {4}	9.88	8.98	10.78	1065790	958160	10.10
Aroclor-1260 {5}	10.94	10.04	11.84	445413	475448	6.74

Data File: Y2683.C

GC Column (2nd): DB-1701P

Compound	RT	RT WI NDOW		Avg CF	CC CF	%D
		FROM	TO			
Aroclor-1016	3.76	3.69	3.83	849222	679507	19.98
Aroclor-1016 {2}	4.36	4.29	4.43	1638762	1556515	5.02
Aroclor-1016 {3}	5.11	5.04	5.18	3912303	3515920	10.13
Aroclor-1016 {4}	5.32	5.25	5.39	1738204	1515208	12.83
Aroclor-1016 {5}	5.49	5.42	5.56	1349546	1196506	11.34
Aroclor-1260	7.85	6.95	8.75	1582084	1365969	13.66
Aroclor-1260 {2}	8.10	7.21	9.01	2273264	1981083	12.85
Aroclor-1260 {3}	9.69	8.80	10.60	2098568	1862204	11.26
Aroclor-1260 {4}	10.20	9.30	11.10	4677373	4320048	7.64
Aroclor-1260 {5}	10.78	9.89	11.69	3351696	3069985	8.41

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

	TCMX 1	<u>2.77</u>		DCB 1	<u>12.04</u>	TCMX 2	<u>2.89</u>		DCB 2	<u>12.48</u>
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2		DCB 2
	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#
PCB	BLKA131021-17	10/22/2013	21:25	2.77		12.04		2.89	12.48
PCB	LCSA131021-17	10/22/2013	21:43	2.77		12.04		2.89	12.48
OUTFALL	E13-10256-001	10/22/2013	22:00	2.77		12.04		2.89	12.48
FB-21	E13-10192-011	10/22/2013	22:17	2.77		12.04		2.89	12.48
FB-22	E13-10227-014	10/22/2013	22:35	2.77		12.04		2.89	12.48
PCB	E13-10256-001MS	10/22/2013	22:52	2.77		12.04		2.89	12.48
PCB	E13-10256-001MSD	10/22/2013	23:09	2.77		12.04		2.89	12.48

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.77 DCB 1 12.03 TCMX 2 2.89 DCB 2 12.47

Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKA131101-10	11/01/2013	17:36	2.77	12.03	2.89	12.47
PCB	LCSA131101-10	11/01/2013	17:54	2.77	12.03	2.89	12.47
FB-10281	E13-10721-027	11/01/2013	18:11	2.77	12.03	2.89	12.47
FB-26	E13-10679-016	11/01/2013	18:28	2.77	12.03	2.89	12.47
FB-27	E13-10707-020	11/01/2013	18:46	2.77	12.03	2.89	12.47
FB-28	E13-10748-014	11/01/2013	19:03	2.77	12.03	2.89	12.47
FB	E13-10877-007	11/01/2013	19:21	2.77	12.04	2.89	12.47
FB-29	E13-10796-024	11/01/2013	19:38	2.77	12.03	2.89	12.47
FB-30	E13-10867-016	11/01/2013	19:55	2.77	12.03	2.89	12.47

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (\pm 0.10 Minutes)

DCB = Decachlorobiphenyl (\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 **2.77** **DCB 1** **12.03** **TCMX 2** **2.89** **DCB 2** **12.47**

Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2		
	Sample ID	Analyzed	Analyzed	RT	#	RT	#	RT	#
PCB	LCSS131031-06	10/31/2013	16:14	2.77		12.03		2.90	
PCB	BLKS131031-06	10/31/2013	16:31	2.77		12.03		2.89	
V-49(3.0)	E13-10796-007	10/31/2013	17:16	2.77		12.03		2.90	
PCB	10796-007MS	10/31/2013	17:34	2.77		12.03		2.89	
PCB	10796-007MSD	10/31/2013	17:51	2.77		12.03		2.89	
Z-46_(2.)	E13-10748-010	10/31/2013	18:08	2.77		12.03		2.89	
Z-46_(3.)	E13-10748-011	10/31/2013	18:26	2.77		12.03		2.89	
Z-47_(2.)	E13-10748-012	10/31/2013	18:43	2.77		12.03		2.89	
Z-47_(3.)	E13-10748-013	10/31/2013	19:00	2.77		12.03		2.89	
V-50(0-1)	E13-10796-001	10/31/2013	19:18	2.77		12.03		2.89	
V-50(1.0)	E13-10796-002	10/31/2013	19:35	2.77		12.03		2.89	
V-50(2.0)	E13-10796-003	10/31/2013	19:52	2.77		12.03		2.89	
V-49(0-1)	E13-10796-004	10/31/2013	20:10	2.77		12.03		2.89	
V-49(1.0)	E13-10796-005	10/31/2013	20:27	2.77		12.03		2.89	
V-49(2.0)	E13-10796-006	10/31/2013	20:45	2.77		12.03		2.89	
U-50(0-1)	E13-10796-008	10/31/2013	21:02	2.77		12.03		2.89	
U-50(1.0)	E13-10796-009	10/31/2013	21:19	2.77		12.03		2.89	
U-49(0-1)	E13-10796-010	10/31/2013	21:37	2.77		12.03		2.89	
U-49(1.0)	E13-10796-011	10/31/2013	21:54	2.77		12.03		2.89	
U-48(2.0)	E13-10796-012	10/31/2013	23:21	2.77		12.03		2.89	
U-48(3.0)	E13-10796-013	10/31/2013	23:39	2.77		12.03		2.89	
U-47(2.0)	E13-10796-014	10/31/2013	23:56	2.77		12.03		2.89	
U-47(3.0)	E13-10796-015	11/01/2013	00:13	2.77		12.03		2.89	
V-48(2.0)	E13-10796-016	11/01/2013	00:31	2.77		12.03		2.89	

Surrogate QC Limits

DCB = Decachlorobiphenyl (+ 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 **2.77** **DCB 1** **12.03** **TCMX 2** **2.89** **DCB 2** **12.47**

	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
Client ID	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS131031-06	10/31/2013	16:31	2.77	12.03	2.89	12.47
U-50(1.0)	E13-10796-009DL	11/01/2013	09:30	2.77	12.03	2.89	12.47

Surrogate QC Limits

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-Y

Column: DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	2.77	DCB 1	12.03	TCMX 2	2.89	DCB 2	12.47
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Client ID	Lab	Date	Time	TCMX 1	DCB 1	TCMX 2	DCB 2
Client ID	Sample ID	Analyzed	Analyzed	RT #	RT #	RT #	RT #
PCB	BLKS131031-05	11/01/2013	01:23	2.77	12.03	2.89	12.47
PCB	LCSS131031-05	11/01/2013	01:40	2.77	12.03	2.89	12.47
DD-43/EE	E13-10748-009	11/01/2013	01:58	2.77	12.04	2.89	12.47
PCB	10748-009MS	11/01/2013	02:15	2.77	12.03	2.89	12.47
PCB	10748-009MSD	11/01/2013	02:33	2.77	12.03	2.89	12.47
PCB-8/0-	E13-10802-001	11/01/2013	03:59	2.77	12.03	2.89	12.47
SW-4	E13-10741-004	11/01/2013	04:17	2.77	12.03	2.89	12.47
B-5	E13-10741-005	11/01/2013	04:34	2.77	12.03	2.89	12.47
S-1	E13-10743-001	11/01/2013	04:52	2.77	12.03	2.89	12.47
S-2	E13-10743-002	11/01/2013	05:09	2.77	12.03	2.89	12.47
S-3	E13-10743-003	11/01/2013	05:26	2.77	12.03	2.89	12.47
S-4	E13-10743-004	11/01/2013	05:44	2.77	12.03	2.89	12.47
S-5	E13-10743-005	11/01/2013	06:01	2.77	12.03	2.89	12.47
C-6	E13-10744-001	11/01/2013	06:18	2.77	12.03	2.89	12.47
C-7	E13-10744-002	11/01/2013	06:36	2.77	12.03	2.89	12.47
BC-8	E13-10744-003	11/01/2013	06:53	2.77	12.03	2.89	12.47
FF-45E_(	E13-10748-001	11/01/2013	07:11	2.77	12.03	2.89	12.47
FF-45E_(	E13-10748-002	11/01/2013	07:28	2.77	12.03	2.89	12.47
FF-45S_(	E13-10748-003	11/01/2013	07:45	2.77	12.03	2.89	12.47
FF-45S_(	E13-10748-004	11/01/2013	08:03	2.77	12.03	2.89	12.47
FF-46_(0	E13-10748-005	11/01/2013	08:20	2.77	12.03	2.89	12.47
FF-46_(1	E13-10748-006	11/01/2013	08:37	2.77	12.03	2.89	12.47
GG-46_(0	E13-10748-007	11/01/2013	08:55	2.77	12.03	2.89	12.47
GG-46_(1	E13-10748-008	11/01/2013	09:12	2.77	12.03	2.89	12.47

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene

(\pm 0.10 Minutes)

DCB = Decachlorobiphenyl

(\pm 0.10 Minutes)

Column to be used to flag recovery values

* Values outside of QC limits

D Surrogate diluted out

M Matrix interference

PCB SAMPLE DATA

E13-10748 0070

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2674.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 7:11
 Operator : NG
 Sample : FF-45E_(.E13-10748-001,S.5.51g,52.1,20
 Misc : 131031-05,10/31/13,10/29/13,5
 ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:47:05 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	903.8E6	1882.2E6	49.795	44.968
Spiked Amount	200.000		Recovery	=	24.90%	22.48%
2) S DCB	12.03	12.47	217.6E6	645.8E6	29.838m	41.119m#
Spiked Amount	200.000		Recovery	=	14.92%	20.56%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	1396.6E6	3006.4E6	1362.679	1206.283
24) L6 Aroclor-1248 {2}	4.98	5.69	542.4E6	3267.5E6	888.658	869.639
25) L6 Aroclor-1248 {3}	5.30	6.09	786.0E6	2536.3E6	1003.141	940.129
26) L6 Aroclor-1248 {4}	5.99	6.24	728.4E6	1943.0E6	610.395	824.262 #
27) L6 Aroclor-1248 {5}	6.26	6.59	665.5E6	729.5E6	705.233	539.528
Sum Aroclor-1248			4118.9E6	11482.7E6	4570.106	4379.841
Average Aroclor-1248					914.021	875.968
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

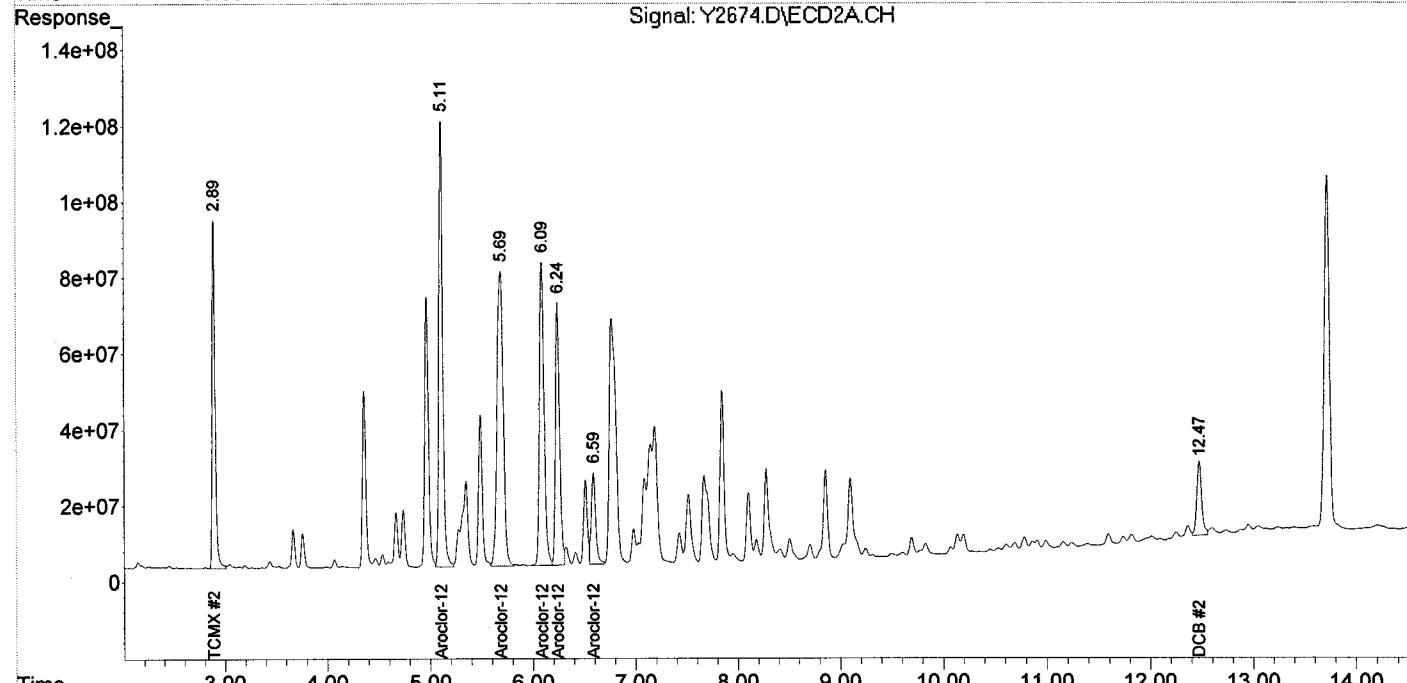
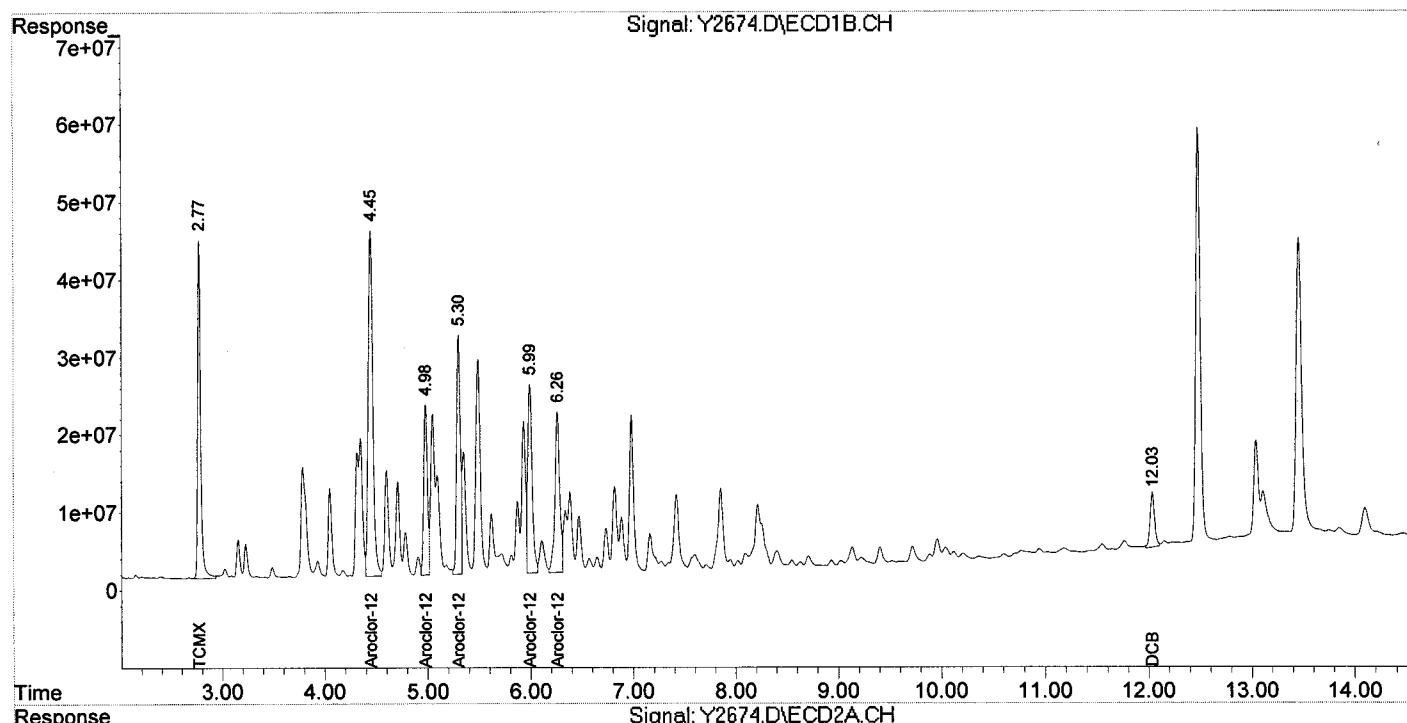
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2674.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 7:11
Operator : NG
Sample : FF-45E_(,E13-10748-001,S,5.51g,52.1,20
Misc : 131031-05,10/31/13,10/29/13,5
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:47:05 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2675.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 7:28
 Operator : NG
 Sample : FF-45E_(,E13-10748-002,S,5.64g,31.9,20
 Misc : 131031-05,10/31/13,10/29/13,5
 ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 15:11:16 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.77	2.89	812.6E6	1737.3E6	44.770	41.505
Spiked Amount	200.000		Recovery	=	22.39%	20.75%
2) S DCB	12.03	12.47	204.6E6	675.5E6	28.049m#	
Spiked Amount	200.000		Recovery	=	14.02%	21.50%

Target Compounds

Sum Aroclor-1016	0	0	N.D.	N.D.
Average Aroclor-1016			0.000	0.000

Sum Aroclor-1221	0	0	N.D.	N.D.
Average Aroclor-1221			0.000	0.000

Sum Aroclor-1232	0	0	N.D.	N.D.
Average Aroclor-1232			0.000	0.000

Sum Aroclor-1242	0	0	N.D.	N.D.
Average Aroclor-1242			0.000	0.000

23) L6 Aroclor-1248	4.45	5.11	1494.9E6	3022.0E6	1458.546	1212.576
24) L6 Aroclor-1248 {2}	4.98	5.69	385.4E6	2507.0E6	631.367	667.228
25) L6 Aroclor-1248 {3}	0.00	6.09	0	2099.1E6	N.D. d	778.077 #
26) L6 Aroclor-1248 {4}	5.99	6.24	751.4E6	1671.7E6	629.694	709.146
27) L6 Aroclor-1248 {5}	6.26	6.59	882.5E6	849.8E6	935.280	628.512 #
Sum Aroclor-1248			3514.2E6	10149.6E6	3654.887	3995.539
Average Aroclor-1248					913.722	799.108

Sum Aroclor-1254	0	0	N.D.	N.D.
Average Aroclor-1254			0.000	0.000

Sum Aroclor-1260	0	0	N.D.	N.D.
Average Aroclor-1260			0.000	0.000

Sum Aroclor-1262	0	0	N.D.	N.D.
Average Aroclor-1262			0.000	0.000

Sum Aroclor-1268	0	0	N.D.	N.D.
Average Aroclor-1268			0.000	0.000

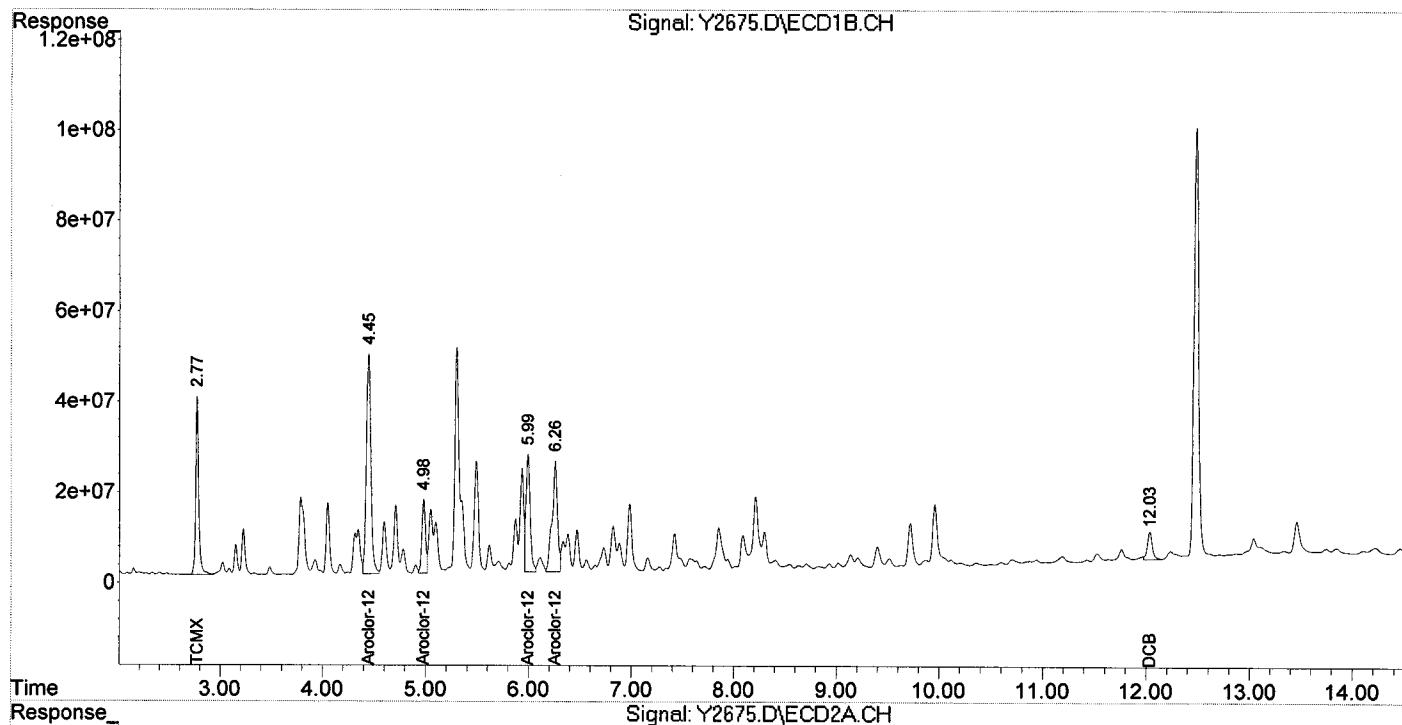
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2675.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 7:28
Operator : NG
Sample : FF-45E_(,E13-10748-002,S,5.64g,31.9,20
Misc : 131031-05,10/31/13,10/29/13,5
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 15:11:16 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2676.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 7:45
 Operator : NG
 Sample : FF-45S_(.E13-10748-003,S,5.09g,52.6,20
 Misc : 131031-05,10/31/13,10/29/13,5
 ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:50:06 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	987.5E6	2091.5E6	54.410	49.969
Spiked Amount	200.000			Recovery	=	27.20% 24.98%
2) S DCB	12.03	12.47	239.2E6	677.6E6	32.803m	43.143m#
Spiked Amount	200.000			Recovery	=	16.40% 21.57%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	498.4E6	1081.6E6	486.340	433.972
24) L6 Aroclor-1248 {2}	4.98	5.69	212.1E6	1258.5E6	347.459	334.950
25) L6 Aroclor-1248 {3}	5.30	6.09	353.7E6	1032.9E6	451.477	382.876
26) L6 Aroclor-1248 {4}	5.99	6.24	284.5E6	678.8E6	238.433	287.955
27) L6 Aroclor-1248 {5}	6.26	6.59	242.7E6	237.4E6	257.190	175.558 #
Sum Aroclor-1248			1591.5E6	4289.2E6	1780.898	1615.311
Average Aroclor-1248					356.180	323.062
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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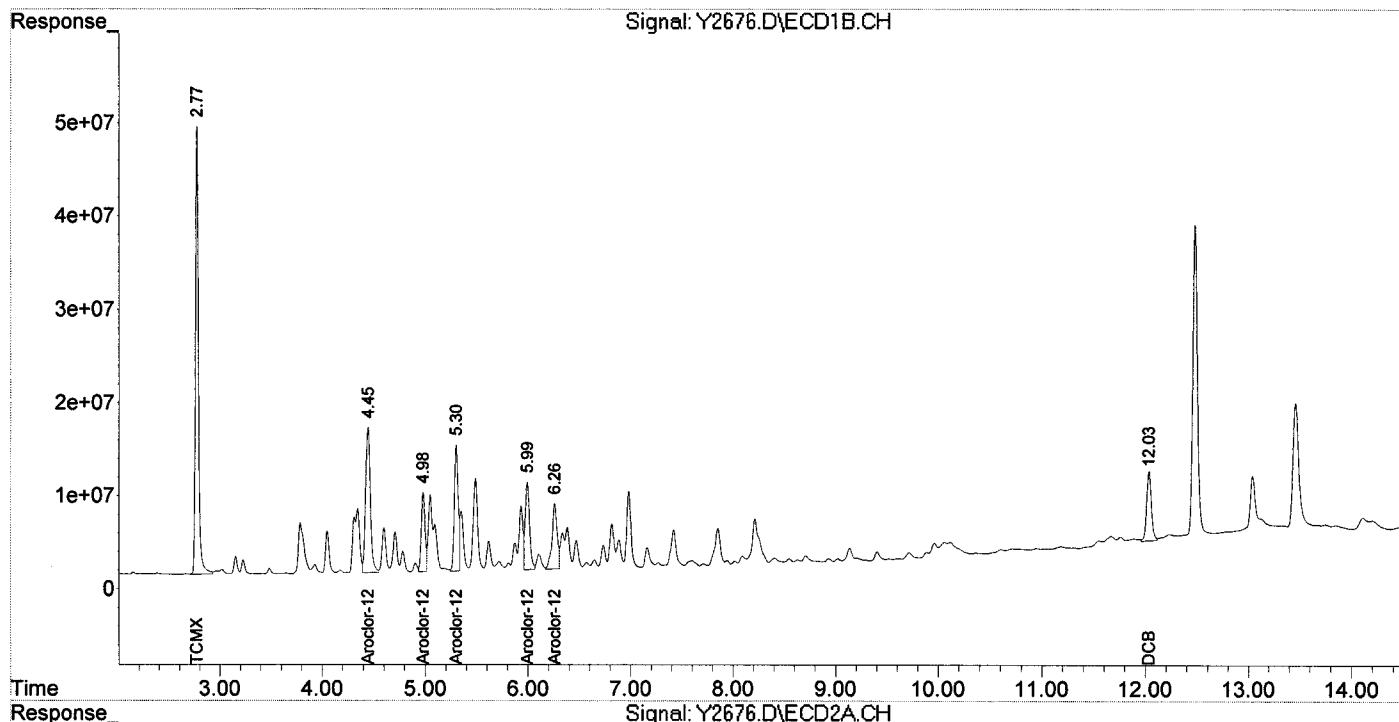
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2676.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 7:45
Operator : NG
Sample : FF-45S_(.E13-10748-003,S.5.09g,52.6,20
Misc : 131031-05,10/31/13,10/29/13,5
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:50:06 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2677.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 8:03
 Operator : NG
 Sample : FF-45S_(,E13-10748-004,S,5.45g,31.3,20
 Misc : 131031-05,10/31/13,10/29/13,5
 ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:51:11 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	759.6E6	1630.4E6	41.852	38.951
Spiked Amount	200.000				Recovery =	20.93% 19.48%
2) S DCB	12.03	12.47	218.4E6	535.0E6	29.949m	34.065m
Spiked Amount	200.000				Recovery =	14.97% 17.03%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	949.7E6	1806.6E6	926.603	724.887
24) L6 Aroclor-1248 {2}	4.98	5.69	284.4E6	1808.0E6	465.996	481.181
25) L6 Aroclor-1248 {3}	5.30	6.09	460.2E6	1577.9E6	587.325	584.901
26) L6 Aroclor-1248 {4}	5.99	6.24	509.8E6	1202.6E6	427.218	510.153
27) L6 Aroclor-1248 {5}	6.26	6.59	599.4E6	586.0E6	635.208	433.401 #
Sum Aroclor-1248			2803.5E6	6981.1E6	3042.349	2734.522
Average Aroclor-1248					608.470	546.904
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
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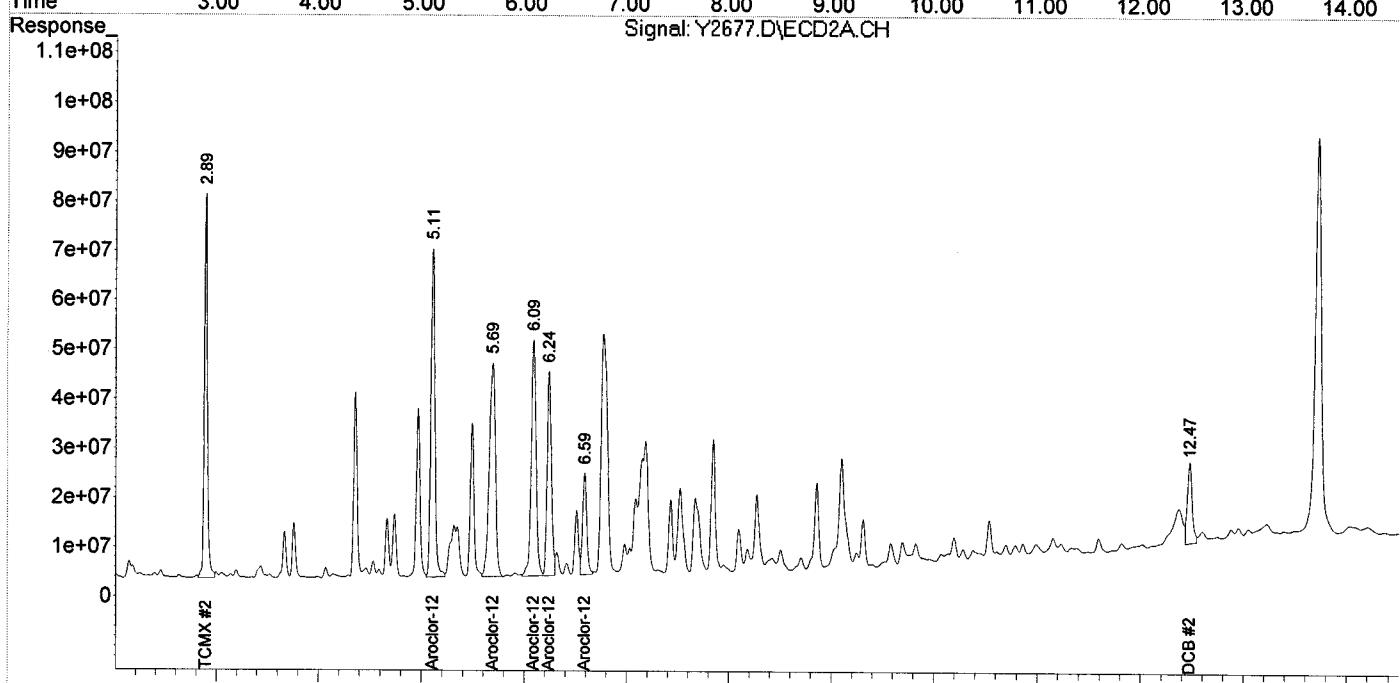
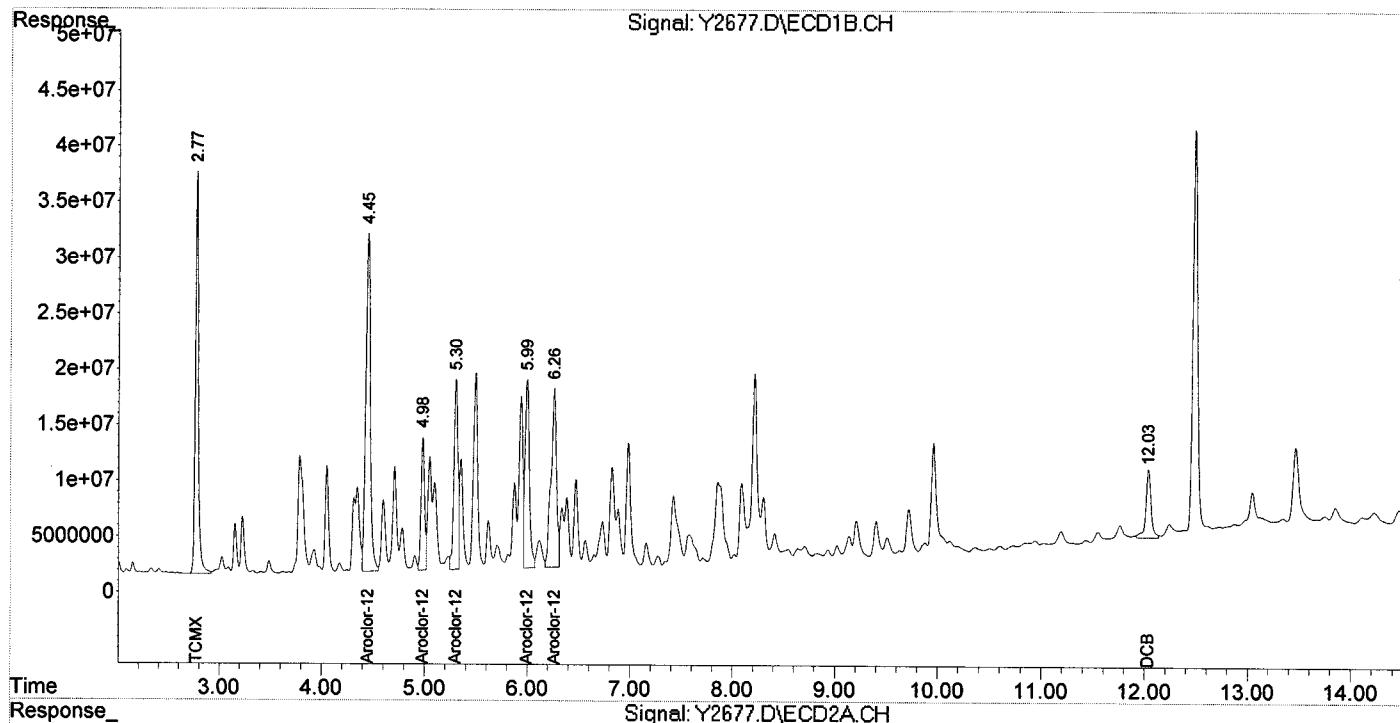
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2677.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 8:03
Operator : NG
Sample : FF-45S_(.E13-10748-004,S.5.45g,31.3,20
Misc : 131031-05,10/31/13,10/29/13,5
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:51:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2678.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 8:20
 Operator : NG
 Sample : FF-46_(0,E13-10748-005,S,5.88g,55.6,20
 Misc : 131031-05,10/31/13,10/29/13,5
 ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:52:46 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	985.3E6	2085.0E6	54.289	49.813
Spiked Amount	200.000		Recovery	=	27.14%	24.91%
2) S DCB	12.03	12.47	234.3E6	636.8E6	32.128m	40.546m#
Spiked Amount	200.000		Recovery	=	16.06%	20.27%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	284.5E6	667.0E6	277.592	267.649
24) L6 Aroclor-1248 {2}	4.98	5.69	153.3E6	928.4E6	251.210	247.088
25) L6 Aroclor-1248 {3}	5.30	6.09	280.2E6	753.7E6	357.565	279.394
26) L6 Aroclor-1248 {4}	5.99	6.24	303.3E6	538.0E6	254.129	228.231
27) L6 Aroclor-1248 {5}	6.26	6.59	256.9E6	272.5E6	272.234	201.563 #
Sum Aroclor-1248			1278.1E6	3159.7E6	1412.731	1223.925
Average Aroclor-1248					282.546	244.785
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

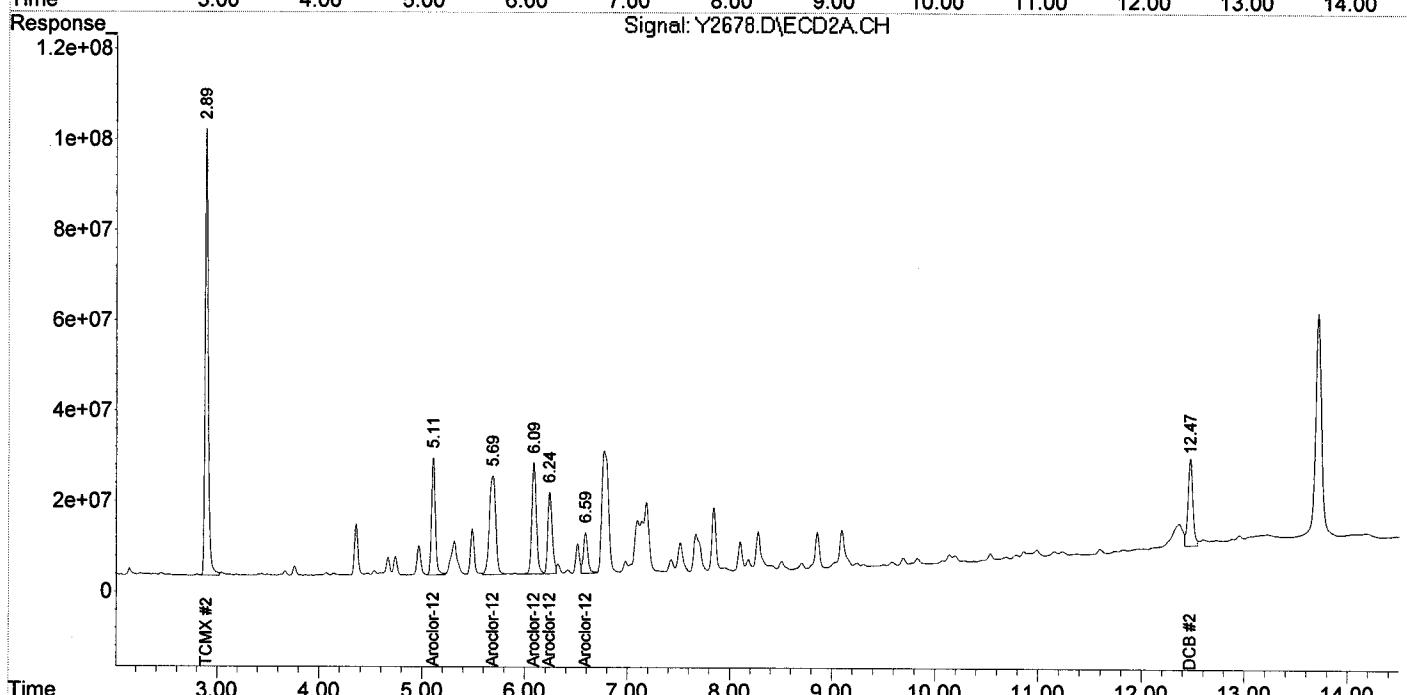
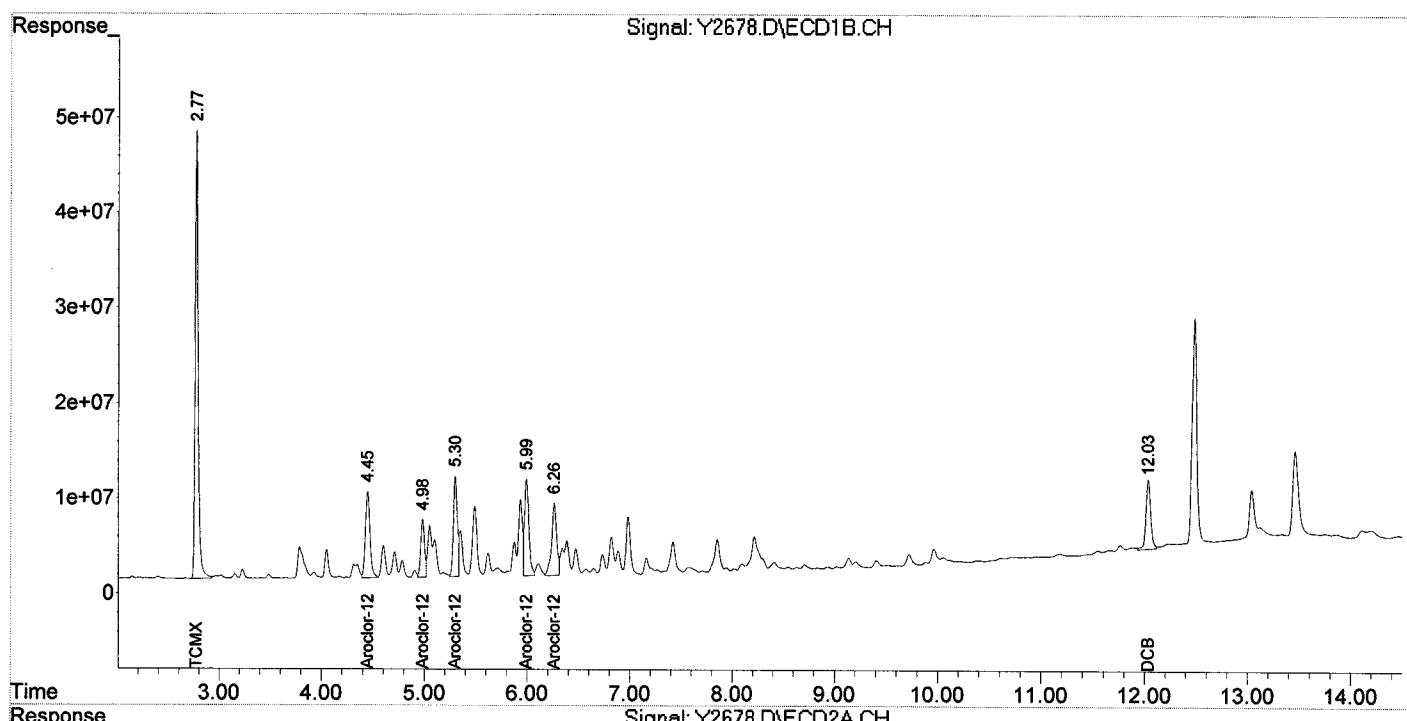
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2678.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 8:20
Operator : NG
Sample : FF-46_(0,E13-10748-005,S,5.88g,55.6,20
Misc : 131031-05,10/31/13,10/29/13,5
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:52:46 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2679.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 8:37
 Operator : NG
 Sample : FF-46_(1,E13-10748-006,S,5.91g,42.9,20
 Misc : 131031-05,10/31/13,10/29/13,1
 ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:55:22 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1)	S TCMX	2.77	2.89	4005.5E6	8657.5E6	220.689	206.836
	Spiked Amount	200.000			Recovery	= 110.34%	103.42%
2)	S DCB	12.03	12.47	1132.1E6	2712.0E6	155.232	172.687
	Spiked Amount	200.000			Recovery	= 77.62%	86.34%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
	Sum Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
	Sum Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
	Sum Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
	Sum Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
	Sum Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
	Sum Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
	Sum Aroclor-1262			0	0	N.D.	N.D.
Average	Aroclor-1262					0.000	0.000
	Sum Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000
<hr/>							

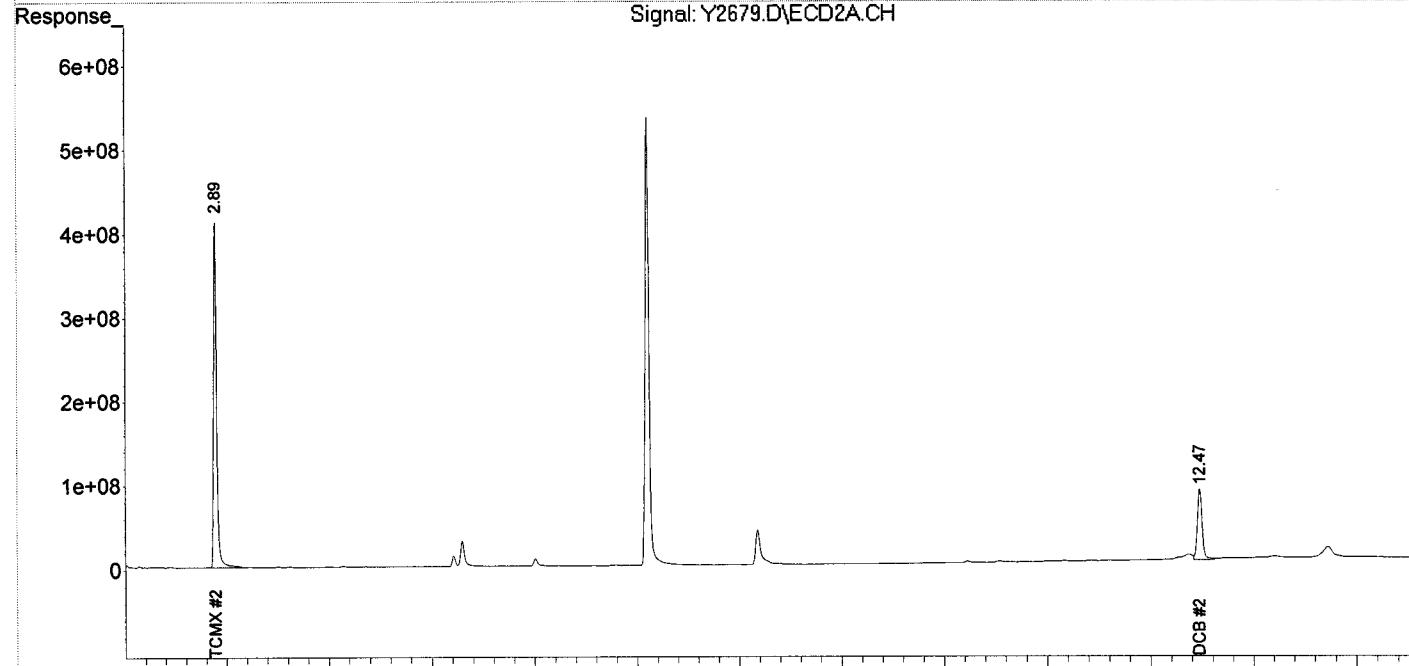
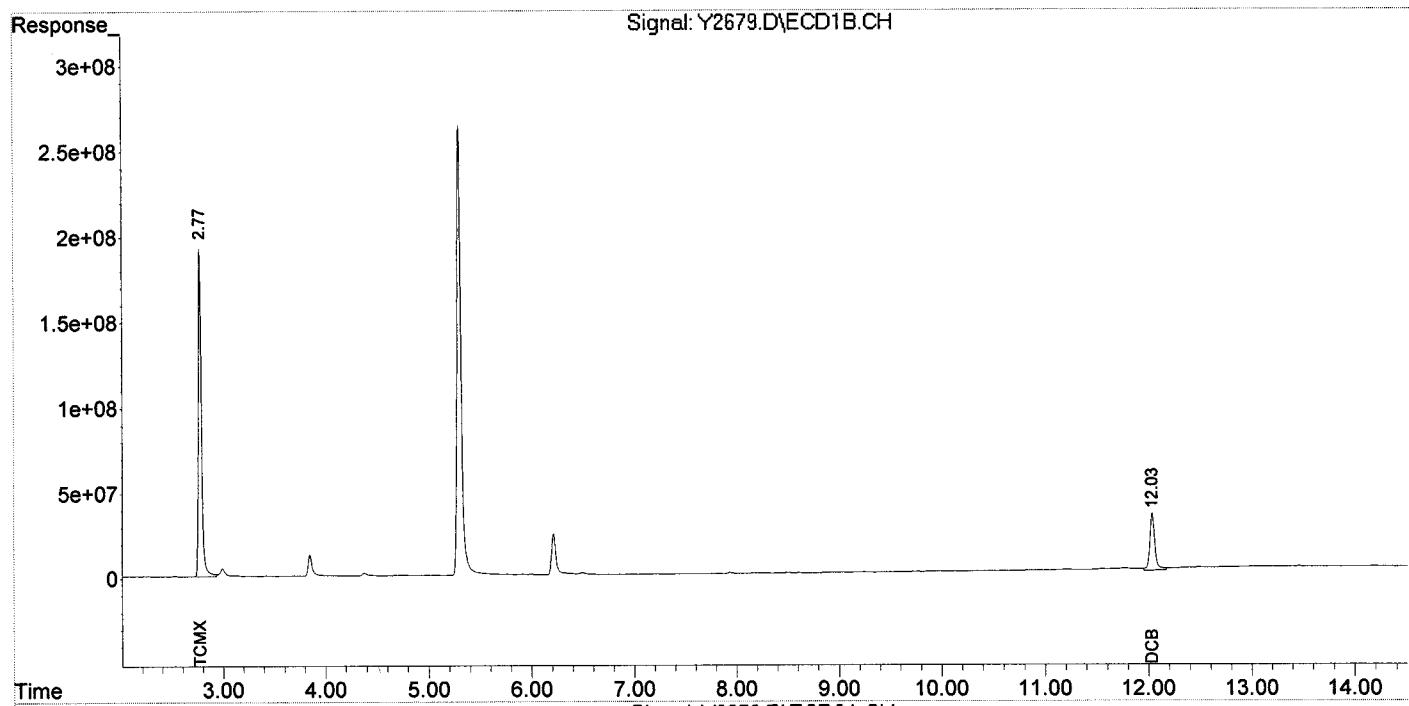
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2679.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 8:37
Operator : NG
Sample : FF-46_(1.E13-10748-006,S,5,.91g,42.9,20
Misc : 131031-05,10/31/13,10/29/13,1
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:55:22 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : Signal #1 Phase : Signal #2 Phase :
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2680.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 8:55
 Operator : NG
 Sample : GG-46_(0,E13-10748-007,S,5.16g,10.6,20
 Misc : 131031-05,10/31/13,10/29/13,1
 ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 16:33:03 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3316.0E6	7101.3E6	182.698	169.656
Spiked Amount	200.000			Recovery	= 91.35%	84.83%
2) S DCB	12.03	12.47	946.9E6	2209.2E6	129.838	140.670
Spiked Amount	200.000			Recovery	= 64.92%	70.33%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	23999894	74853114	23.417	30.034 #
24) L6 Aroclor-1248 {2}	4.98	5.69	8202966	55057354	13.438	14.653
25) L6 Aroclor-1248 {3}	5.30	6.08	22229047	50027710	28.371m	18.544 #
26) L6 Aroclor-1248 {4}	6.00	6.24	32333803	32084529	27.095	13.611 #
27) L6 Aroclor-1248 {5}	6.25	0.00	62717262	0	66.465	N.D. d#
Sum Aroclor-1248			149.5E6	212.0E6	158.787	76.842
Average Aroclor-1248					31.757	19.211
28) L7 Aroclor-1254	6.39	7.10	26629366	136.8E6	22.169	44.983 #
29) L7 Aroclor-1254 {2}	6.84	7.70	14573552	145.7E6	18.376m	61.503 #
30) L7 Aroclor-1254 {3}	6.98	0.00	87608643	0	60.964	N.D. d#
31) L7 Aroclor-1254 {4}	7.41	8.50	64888545	130.8E6	41.329	94.695 #
32) L7 Aroclor-1254 {5}	8.26	9.12	127.5E6	116.6E6	88.903	33.388m#
Sum Aroclor-1254			321.2E6	529.8E6	231.741	234.568
Average Aroclor-1254					46.348	58.642
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

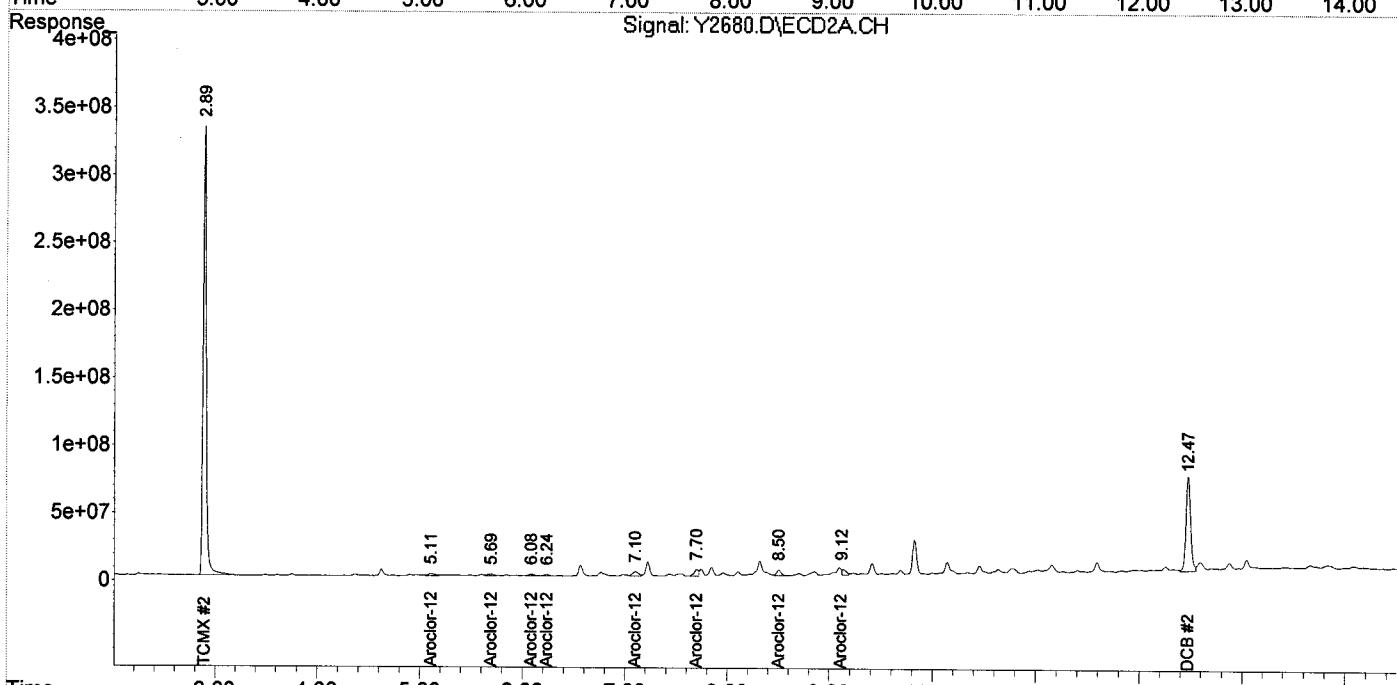
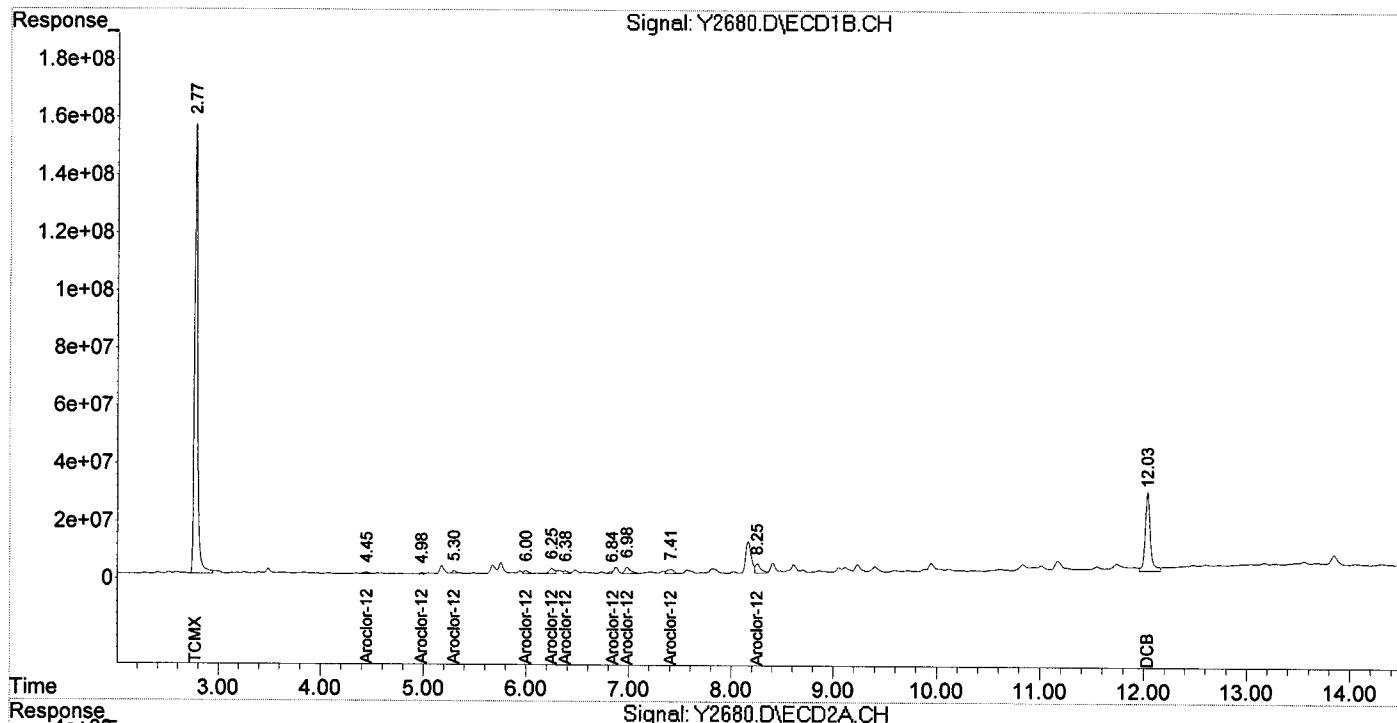
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2680.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 8:55
Operator : NG
Sample : GG-46_(0,E13-10748-007,S,5.16g,10.6,20
Misc : 131031-05,10/31/13,10/29/13,1
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 16:33:03 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2681.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 9:12
 Operator : NG
 Sample : GG-46_(1,E13-10748-008,S,5.58g,14.7,20
 Misc : 131031-05,10/31/13,10/29/13,1
 ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 16:12:09 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3376.9E6	7205.7E6	186.057	172.151
Spiked Amount	200.000				Recovery =	86.08%
2) S DCB	12.03	12.47	973.1E6	2417.1E6	133.429	153.908
Spiked Amount	200.000				Recovery =	76.95%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.39	7.11	29079170	62515425	24.208	20.557m
29) L7 Aroclor-1254 {2}	6.84	7.70	16201853	100.8E6	20.429m	42.539 #
30) L7 Aroclor-1254 {3}	6.99	0.00	67551586	0	47.007	N.D. d#
31) L7 Aroclor-1254 {4}	7.39	8.50	41725020	87320778	26.576	63.225 #
32) L7 Aroclor-1254 {5}	8.26	9.14	78864196	87465071	54.987	25.055 #
Sum Aroclor-1254			233.4E6	338.1E6	173.207	151.376
Average Aroclor-1254					34.641	37.844
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

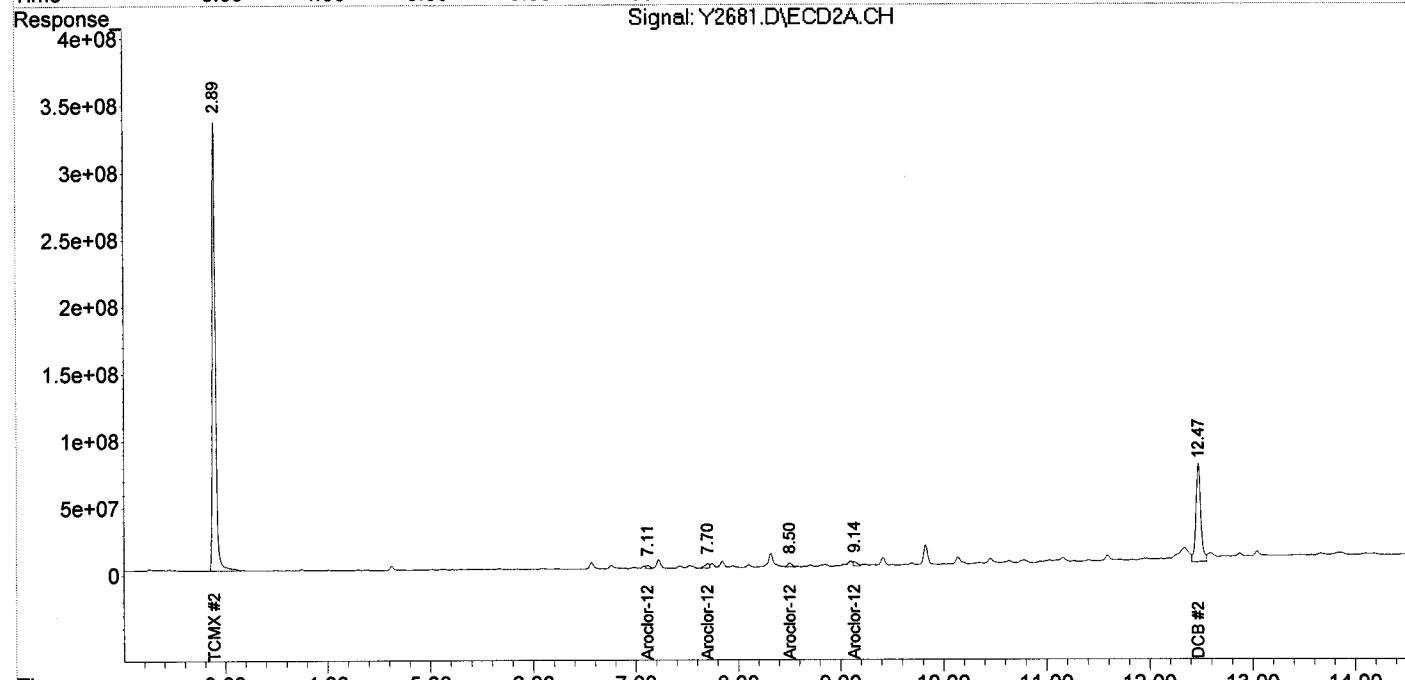
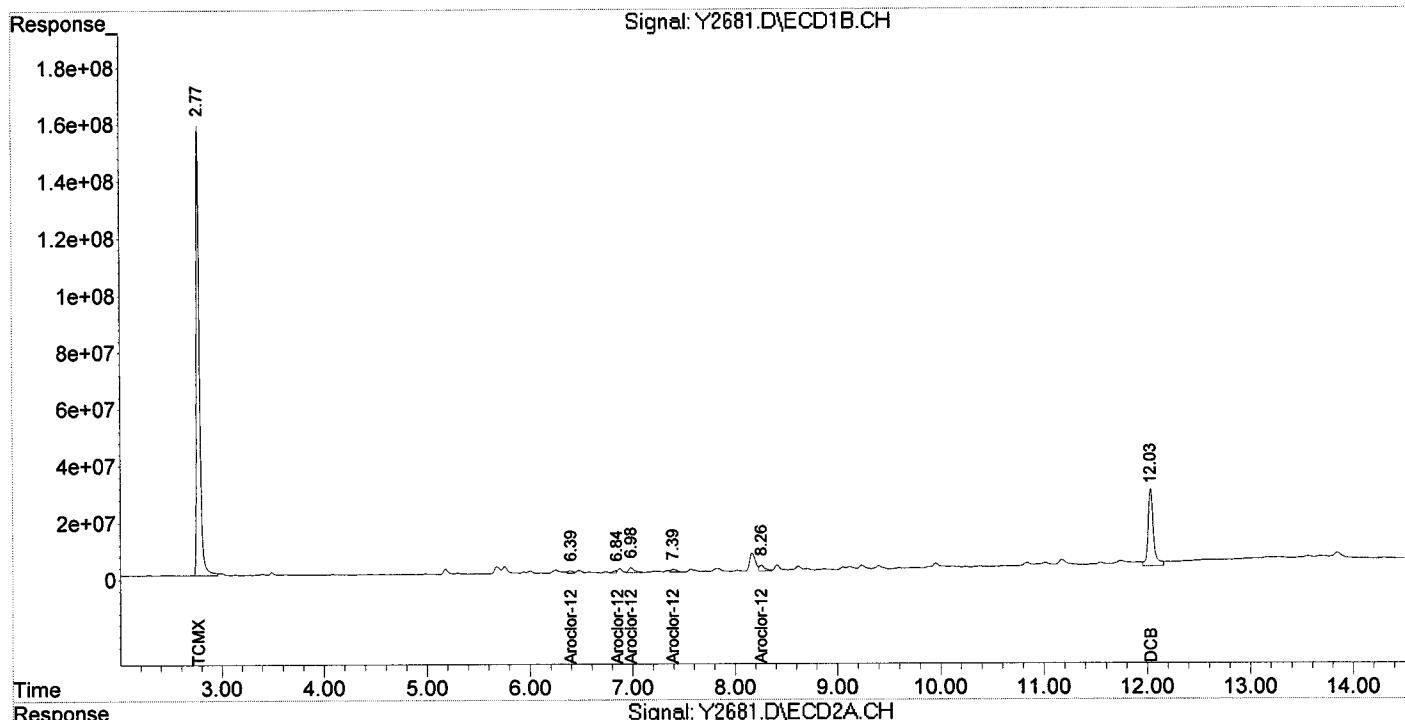
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2681.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 9:12
Operator : NG
Sample : GG-46_(1.E13-10748-008,S,5.58g,14.7,20
Misc : 131031-05,10/31/13,10/29/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 16:12:09 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2659.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 1:58
 Operator : NG
 Sample : DD-43/EE,E13-10748-009,S,5.44g,13.4,20
 Misc : 131031-05,10/31/13,10/29/13,1
 ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:19:39 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3432.4E6	7174.4E6	189.113	171.403
Spiked Amount	200.000			Recovery	=	94.56% 85.70%
2) S DCB	12.04	12.47	1052.6E6	2368.0E6	144.322	150.782
Spiked Amount	200.000			Recovery	=	72.16% 75.39%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	5.11	41225574	97381578	40.224	39.074
24) L6 Aroclor-1248 {2}	4.98	5.69	12531133	75972085	20.529	20.220
25) L6 Aroclor-1248 {3}	5.30	6.09	35488789	62926259	45.294	23.325 #
26) L6 Aroclor-1248 {4}	5.99	6.24	21195433	46531978	17.762	19.739
27) L6 Aroclor-1248 {5}	6.26	6.59	21383000	26128940	22.661	19.325
Sum Aroclor-1248			131.8E6	308.9E6	146.470	121.683
Average Aroclor-1248					29.294	24.337
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

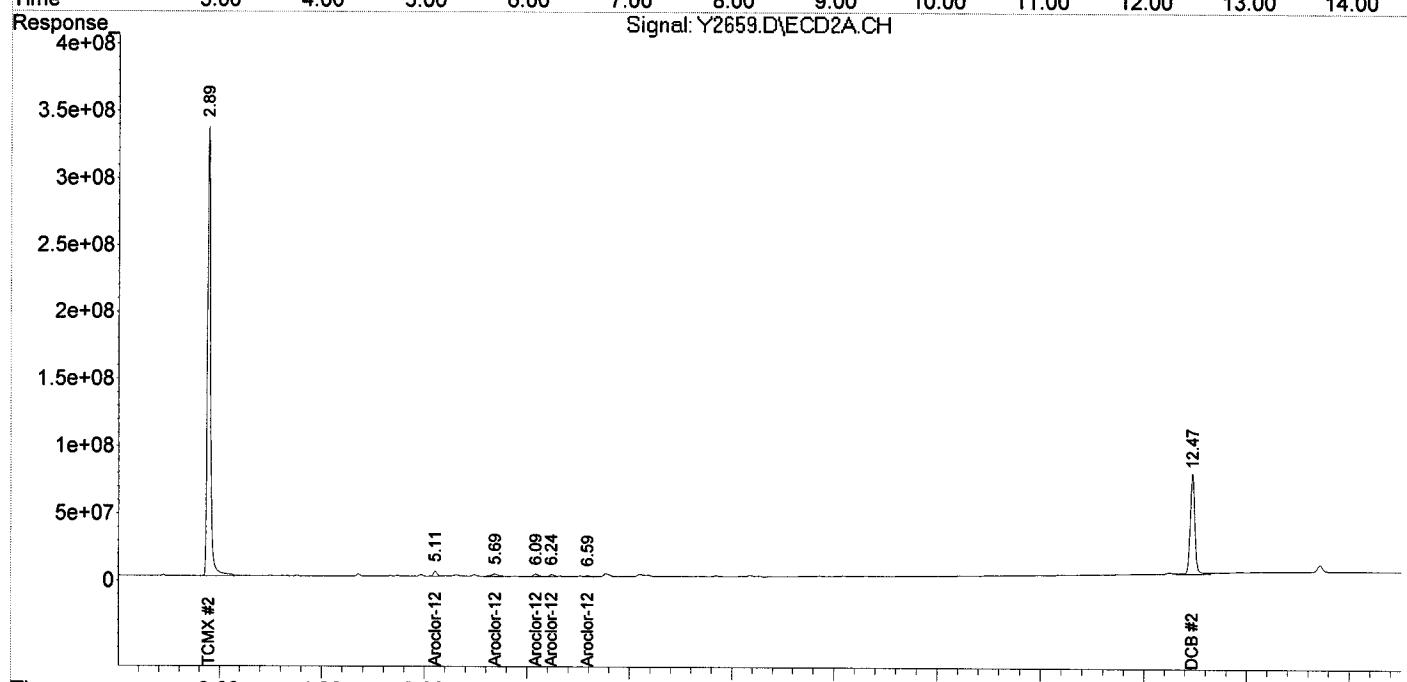
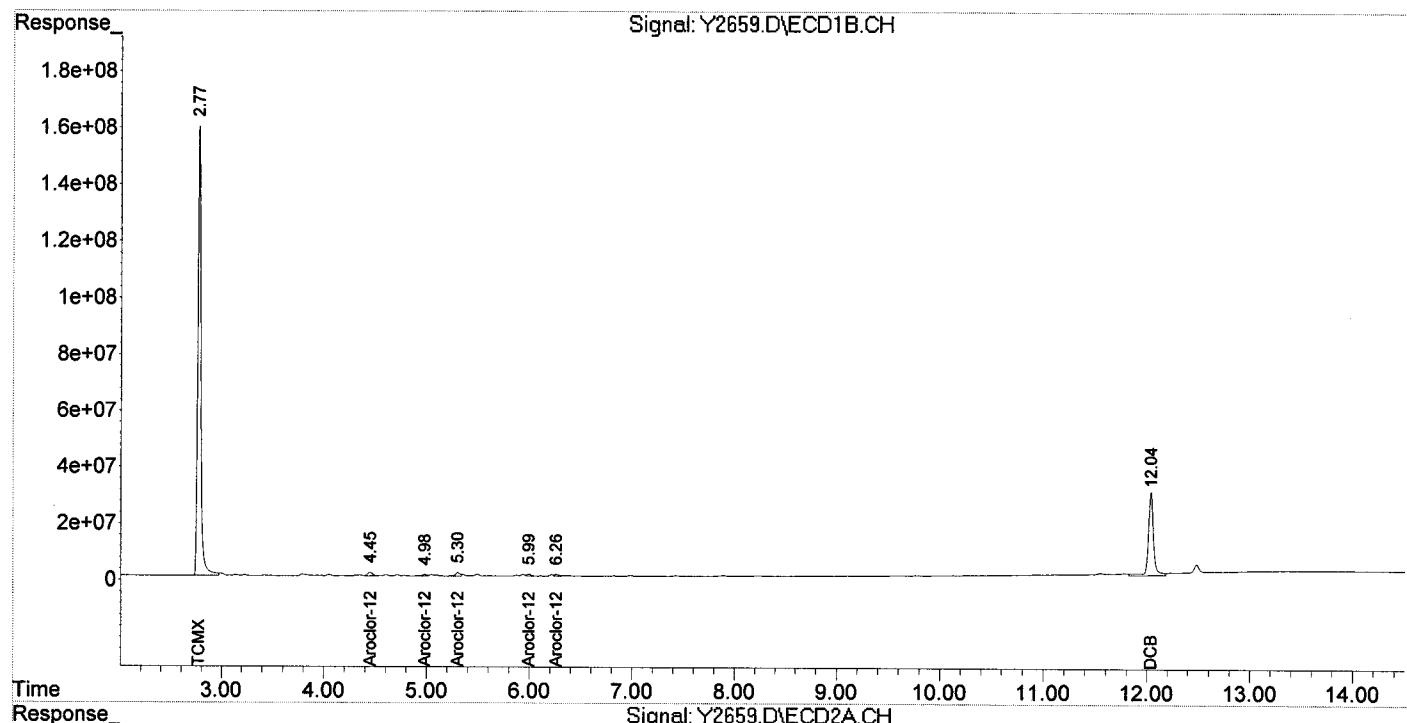
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2659.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 1:58
Operator : NG
Sample : DD-43/EE,E13-10748-009,S,5.44g,13.4,20
Misc : 131031-05,10/31/13,10/29/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:19:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2637.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 31 Oct 2013 18:08
 Operator : NG
 Sample : Z-46_(2.,E13-10748-010,S,5.78g,50.9,20
 Misc : 131031-06,10/31/13,10/29/13,1
 ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 11:50:06 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4654.0E6	10085.9E6	256.421	240.963
Spiked Amount	200.000			Recovery	= 128.21%	120.48%
2) S DCB	12.03	12.47	1461.1E6	3563.6E6	200.338	226.909
Spiked Amount	200.000			Recovery	= 100.17%	113.45%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.05	4.74	241.0E6	299.1E6	552.704	450.263
19) L5 Aroclor-1242 {2}	4.98	5.49	139.0E6	493.1E6	485.280	433.225
20) L5 Aroclor-1242 {3}	0.00	6.09	0	652.1E6	N.D. d	439.045 #
21) L5 Aroclor-1242 {4}	5.99	6.24	174.5E6	492.4E6	305.143	391.004 #
22) L5 Aroclor-1242 {5}	6.26	6.77	166.4E6	671.8E6	328.579	277.486
Sum Aroclor-1242			720.8E6	2608.5E6	1671.706	1991.022
Average Aroclor-1242					417.926	398.204
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

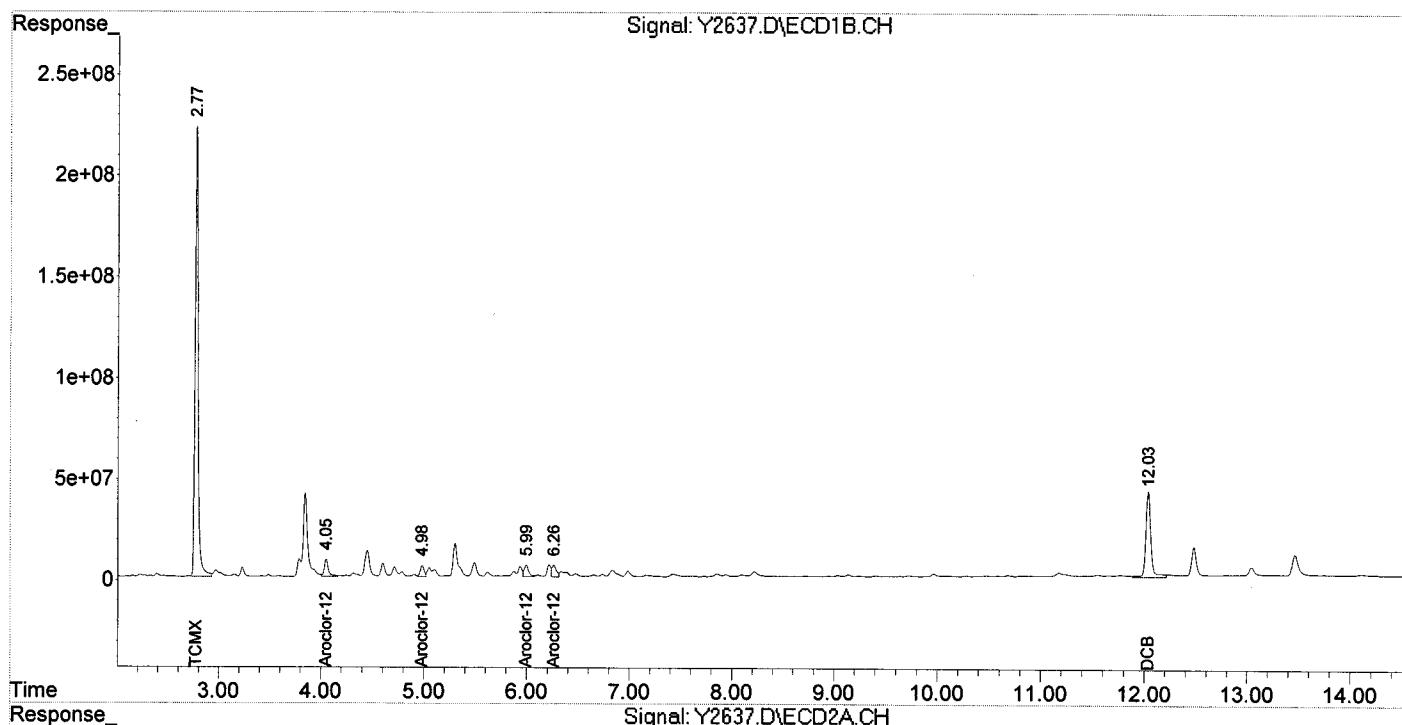
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2637.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Oct 2013 18:08
Operator : NG
Sample : Z-46_(2.,E13-10748-010,S,5.78g,50.9,20
Misc : 131031-06,10/31/13,10/29/13,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 11:50:06 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2638.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 31 Oct 2013 18:26
 Operator : NG
 Sample : Z-46_(3.,E13-10748-011,S,5.68g,34.6,20
 Misc : 131031-06,10/31/13,10/29/13,1
 ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 11:54:12 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
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System Monitoring Compounds

1) S TCMX	2.77	2.89	3728.5E6	7799.1E6	205.424	186.329
Spiked Amount	200.000				Recovery =	102.71% 93.16%
2) S DCB	12.03	12.47	1012.9E6	2792.3E6	138.879	177.797 #
Spiked Amount	200.000				Recovery =	69.44% 88.90%

Target Compounds

Sum Aroclor-1016	0	0	N.D.	N.D.
Average Aroclor-1016			0.000	0.000

Sum Aroclor-1221	0	0	N.D.	N.D.
Average Aroclor-1221			0.000	0.000

Sum Aroclor-1232	0	0	N.D.	N.D.
Average Aroclor-1232			0.000	0.000

Sum Aroclor-1242	0	0	N.D.	N.D.
Average Aroclor-1242			0.000	0.000

23) L6 Aroclor-1248	4.45	5.11	22550226	48850416	22.003	19.601
24) L6 Aroclor-1248 {2}	4.98	5.69	13506044	74951368	22.126	19.948
25) L6 Aroclor-1248 {3}	0.00	6.09	0	60580658	N.D. d	22.456 #
26) L6 Aroclor-1248 {4}	5.99	6.24	29977093	41699373	25.121	17.689 #
27) L6 Aroclor-1248 {5}	6.26	6.58	26238462	43579669	27.806	32.231
Sum Aroclor-1248			92271825	269.7E6	97.056	111.925
Average Aroclor-1248					24.264	22.385

Sum Aroclor-1254	0	0	N.D.	N.D.
Average Aroclor-1254			0.000	0.000

Sum Aroclor-1260	0	0	N.D.	N.D.
Average Aroclor-1260			0.000	0.000

Sum Aroclor-1262	0	0	N.D.	N.D.
Average Aroclor-1262			0.000	0.000

Sum Aroclor-1268	0	0	N.D.	N.D.
Average Aroclor-1268			0.000	0.000

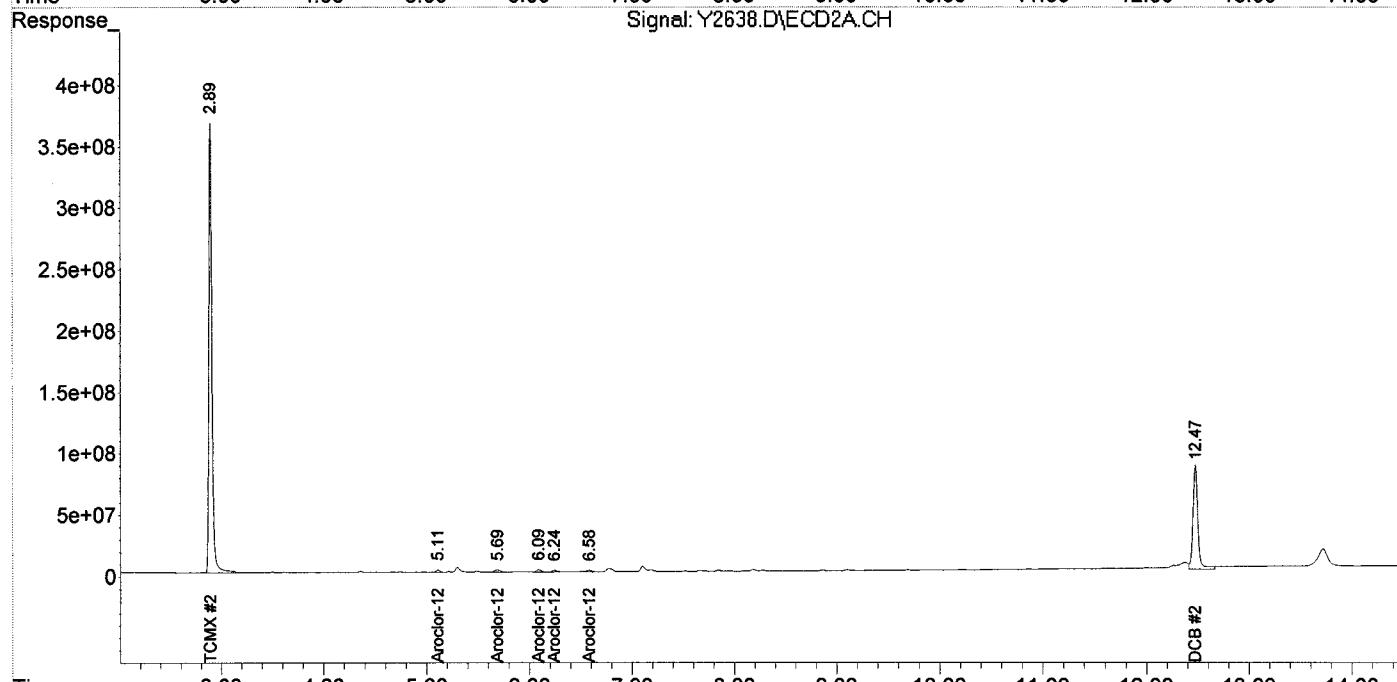
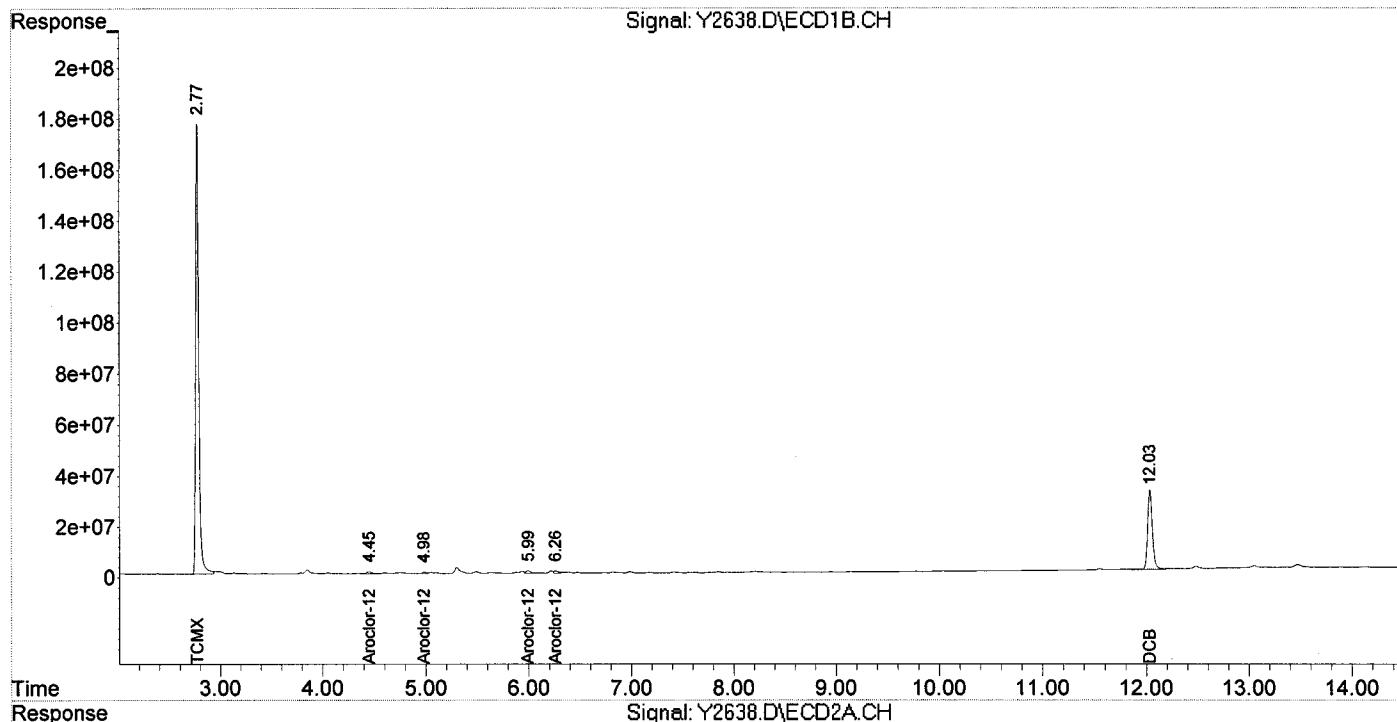
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2638.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Oct 2013 18:26
Operator : NG
Sample : Z-46_(3.,E13-10748-011,S,5.68g,34.6,20
Misc : 131031-06,10/31/13,10/29/13,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 11:54:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2639.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 31 Oct 2013 18:43
 Operator : NG
 Sample : Z-47_(2.,E13-10748-012,S,5.14g,51.2,20
 Misc : 131031-06,10/31/13,10/29/13,1
 ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 14:08:48 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	4449.6E6	9729.4E6	245.157	232.445
Spiked Amount	200.000				Recovery = 122.58%	116.22%
2) S DCB	12.03	12.47	1294.7E6	3351.6E6	177.516	213.412
Spiked Amount	200.000				Recovery = 88.76%	106.71%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

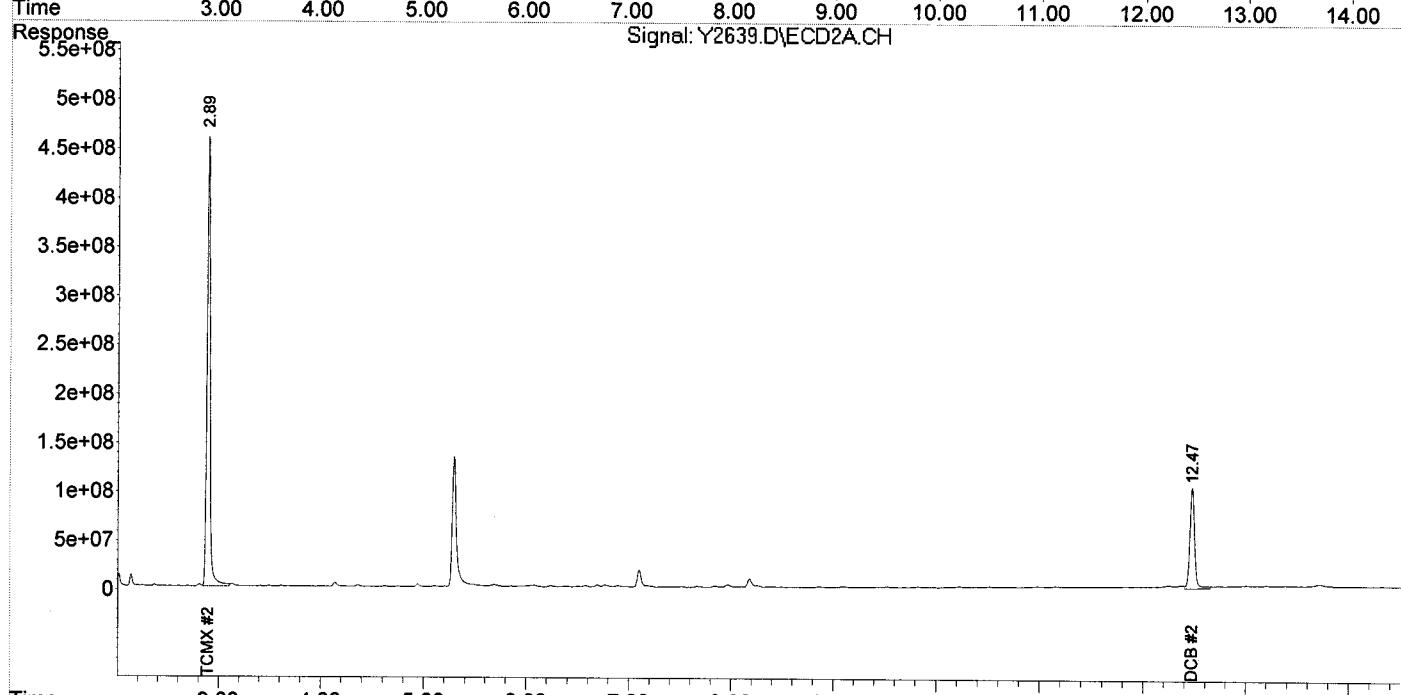
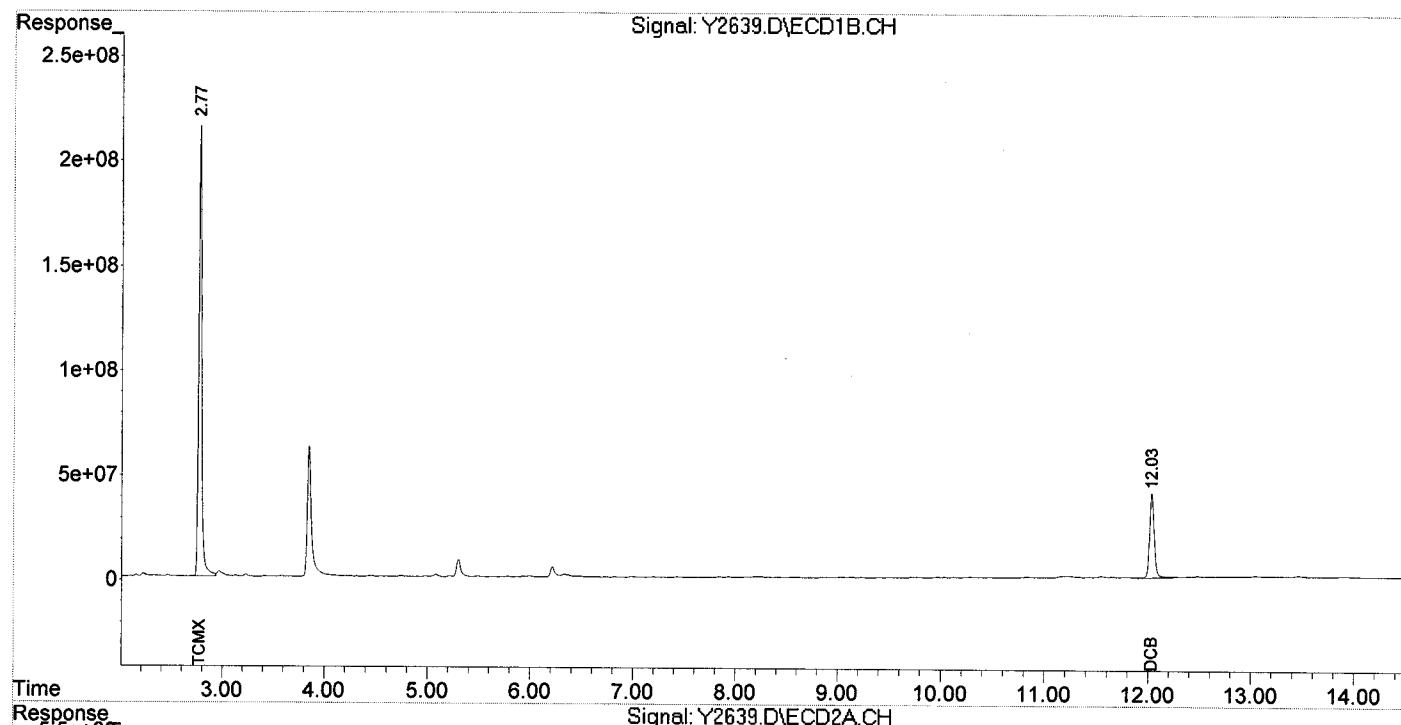
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2639.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Oct 2013 18:43
Operator : NG
Sample : Z-47_(2.,E13-10748-012,S,5.14g,51.2,20
Misc : 131031-06,10/31/13,10/29/13,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 14:08:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2640.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 31 Oct 2013 19:00
 Operator : NG
 Sample : Z-47_(3.,E13-10748-013,S,5.64g,30.0,20
 Misc : 131031-06,10/31/13,10/29/13,1
 ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 12:45:31 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>							
1) S	TCMX	2.77	2.89	3740.2E6	7695.6E6	206.074	183.857
	Spiked Amount	200.000			Recovery	= 103.04%	91.93%
2) S	DCB	12.03	12.47	1029.5E6	2490.2E6	141.162	158.559
	Spiked Amount	200.000			Recovery	= 70.58%	79.28%
<hr/>							
Target Compounds							
	Sum Aroclor-1016			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1016							
	Sum Aroclor-1221			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1221							
	Sum Aroclor-1232			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1232							
	Sum Aroclor-1242			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1242							
	Sum Aroclor-1248			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1248							
	Sum Aroclor-1254			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1254							
	Sum Aroclor-1260			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1260							
	Sum Aroclor-1262			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1262							
	Sum Aroclor-1268			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1268							

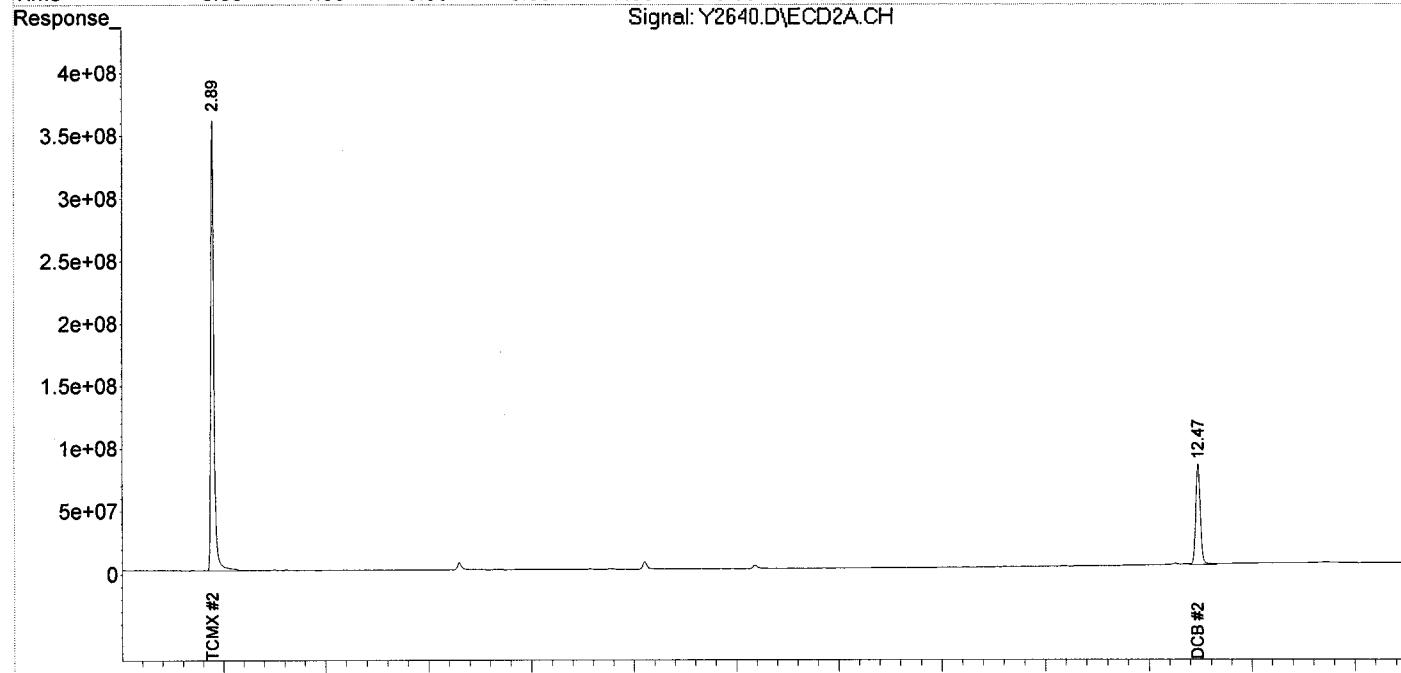
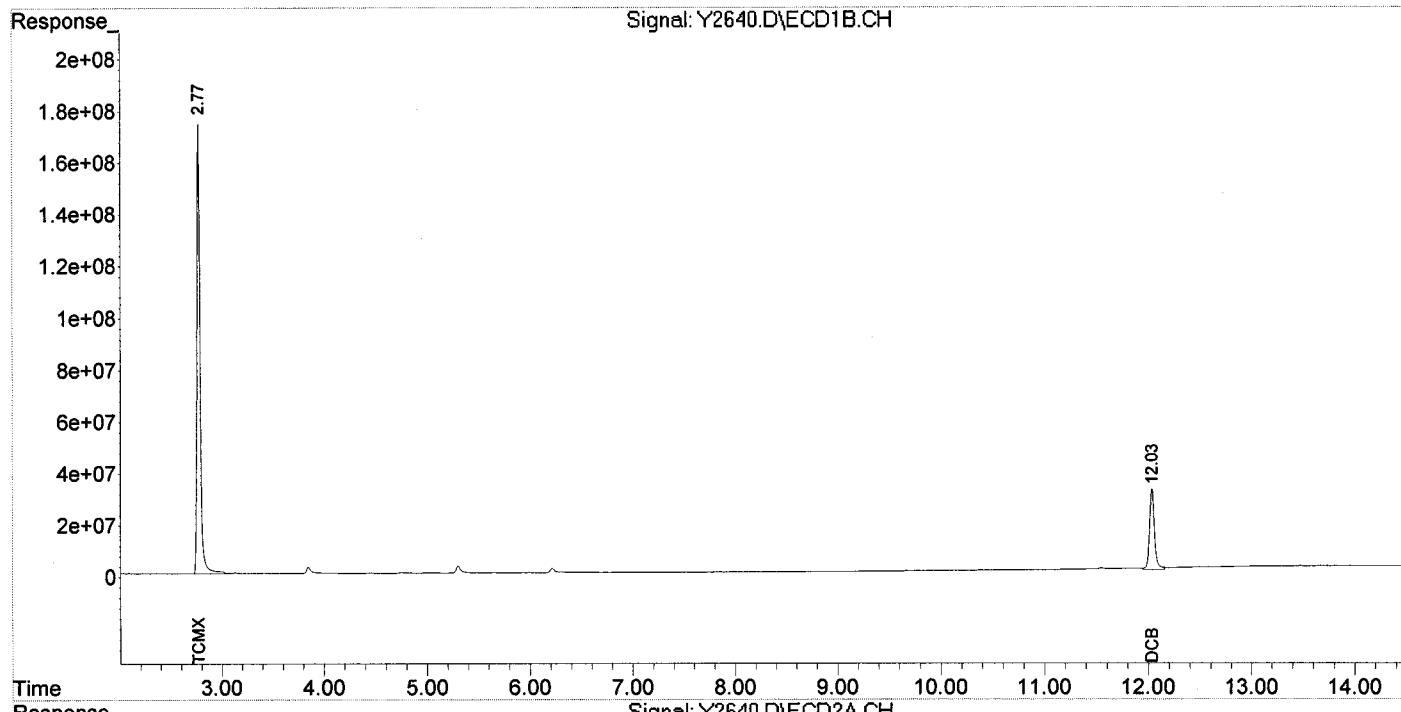
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2640.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Oct 2013 19:00
Operator : NG
Sample : Z-47_(3.,E13-10748-013,S.5.64g,30.0,20
Misc : 131031-06,10/31/13,10/29/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 12:45:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
 Data File : Y2701.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 19:03
 Operator : NG
 Sample : FB-28.E13-10748-014.A,1000ml,100.5
 Misc : 131101-10,11/01/13,10/29/13,1
 ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 04 10:32:48 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	2811.4E6	5903.9E6	154.898	141.051
Spiked Amount	200.000			Recovery	= 77.45%	70.53%
2) S DCB	12.03	12.47	693.7E6	1760.1E6	95.119	112.074
Spiked Amount	200.000			Recovery	= 47.56%	56.04%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1016						
Sum Aroclor-1221			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1221						
Sum Aroclor-1232			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1232						
Sum Aroclor-1242			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1242						
Sum Aroclor-1248			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1248						
Sum Aroclor-1254			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1254						
Sum Aroclor-1260			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1260						
Sum Aroclor-1262			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1262						
Sum Aroclor-1268			0	0	N.D. 0.000	N.D. 0.000
Average Aroclor-1268						

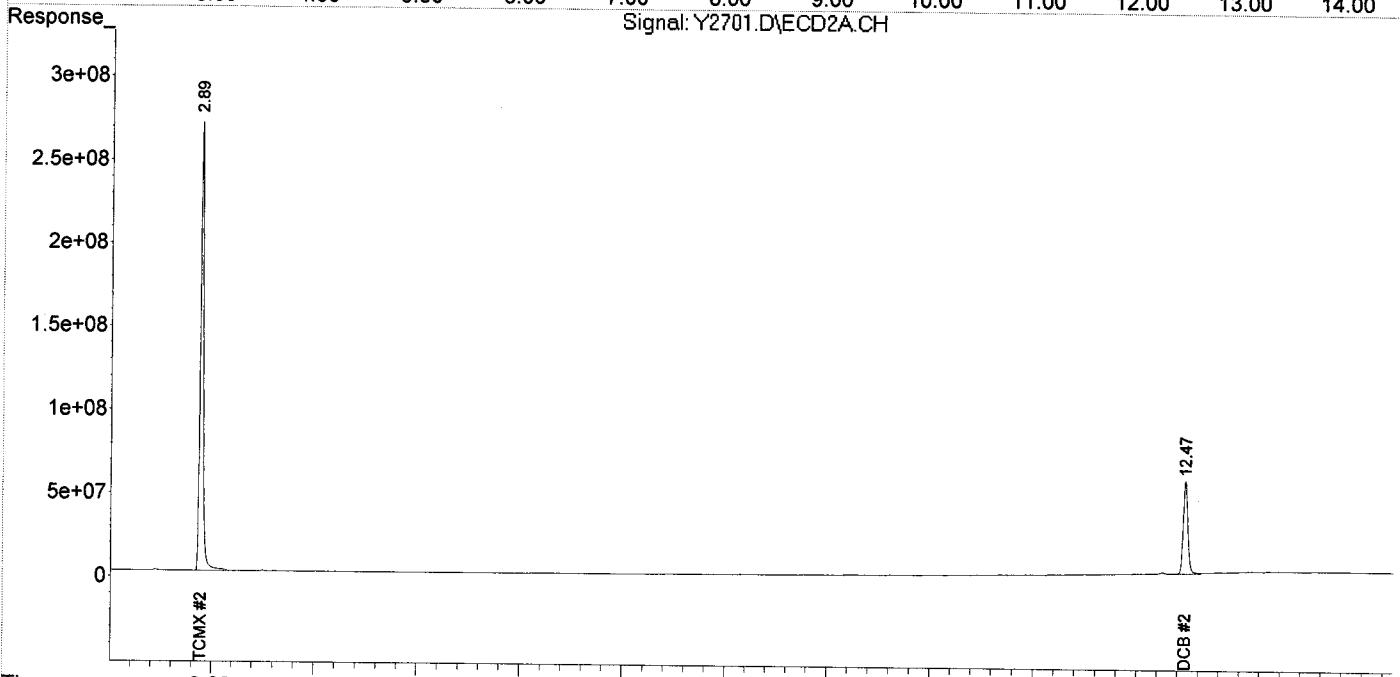
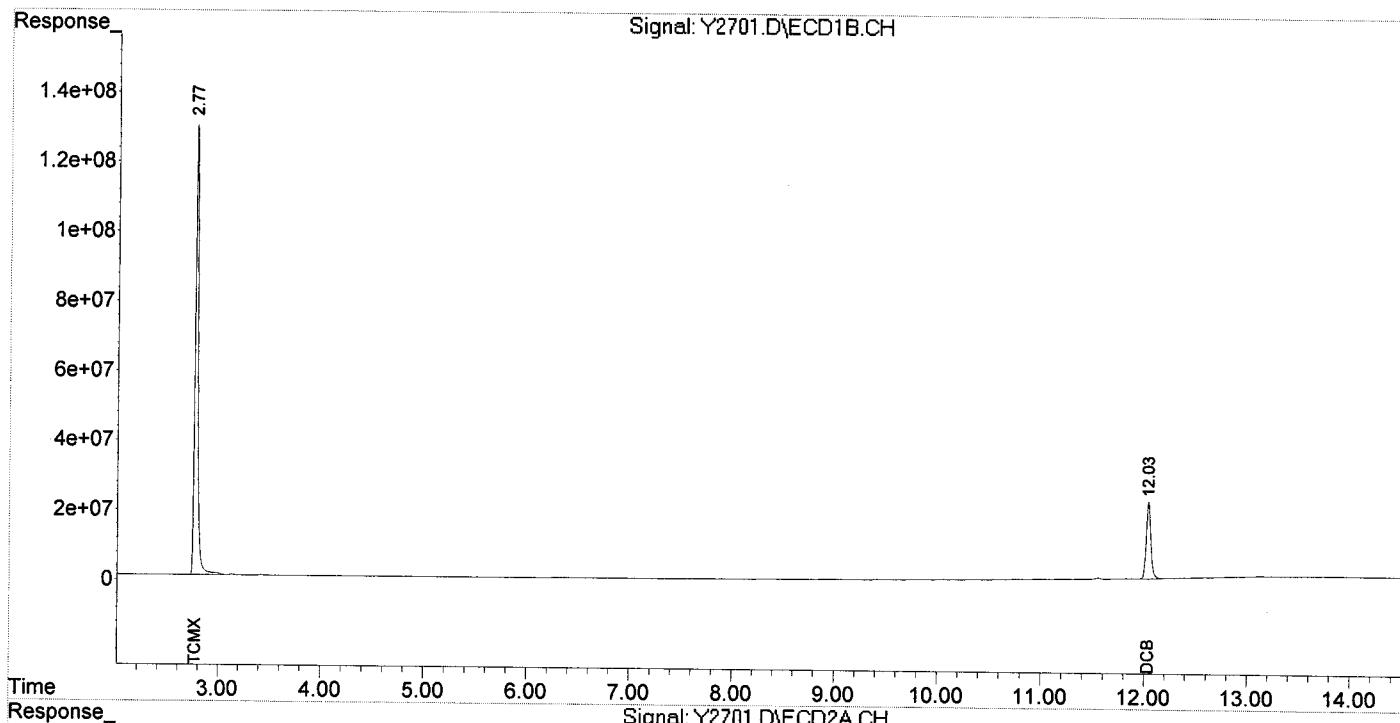
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
Data File : Y2701.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 19:03
Operator : NG
Sample : FB-28,E13-10748-014,A,1000ml,100,5
Misc : 131101-10,11/01/13,10/29/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 04 10:32:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131021-17

Client ID: PCB

Date Received: NA

Date Extracted: 10/21/2013

Date Analyzed: 10/22/2013

Data file: Y2409.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-13\
 Data File : Y2409.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 22 Oct 2013 21:25
 Operator : NG
 Sample : PCB.BLKA131021-17.A,1000ml,100.5
 Misc : NA,NA,NA,1
 ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 23 10:27:23 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
 Quant Title :
 QLast Update : Mon Sep 30 10:08:11 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3254.0E6	6959.8E6	176.250	189.516
Spiked Amount	200.000			Recovery	=	88.13% 94.76%
2) S DCB	12.04	12.48	976.4E6	2314.3E6	158.429	179.170
Spiked Amount	200.000			Recovery	=	79.21% 89.58%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

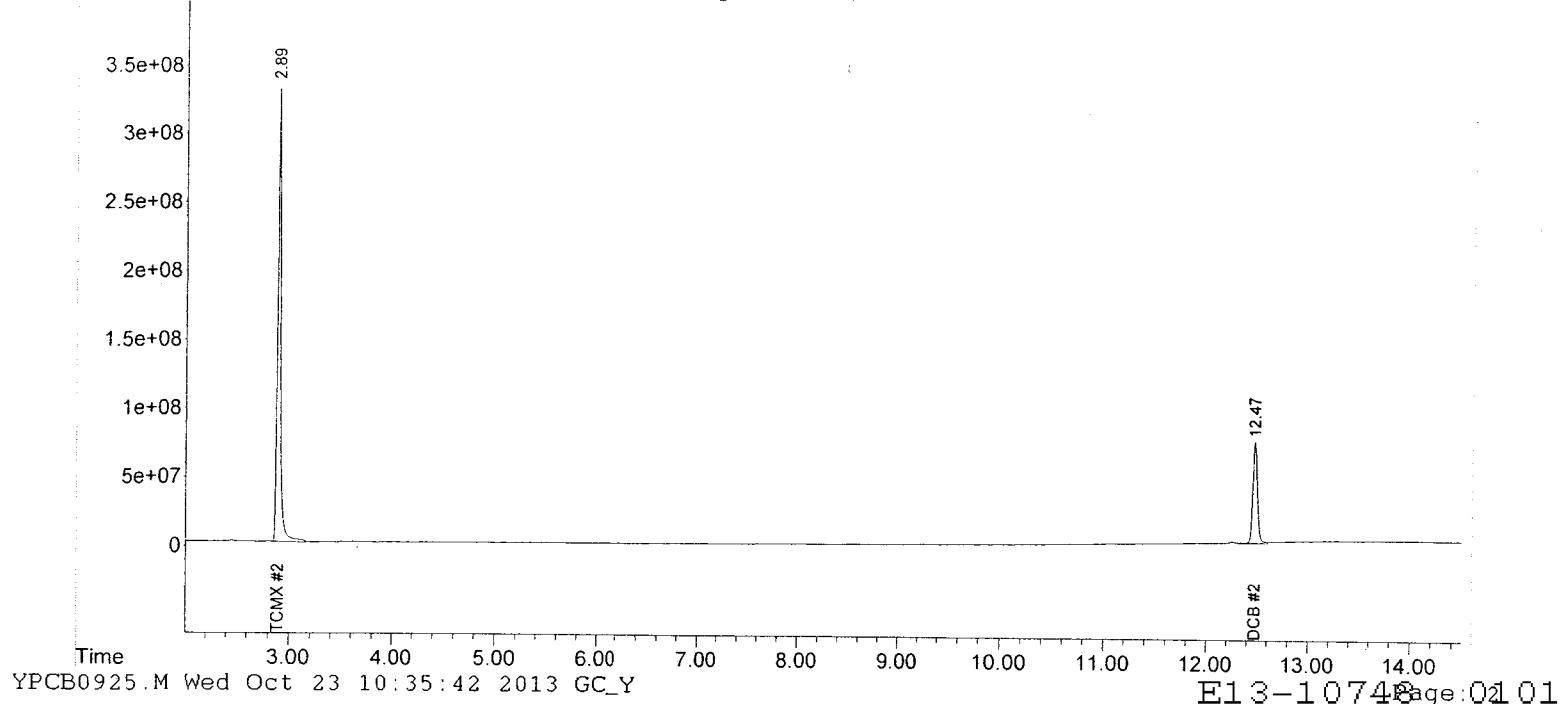
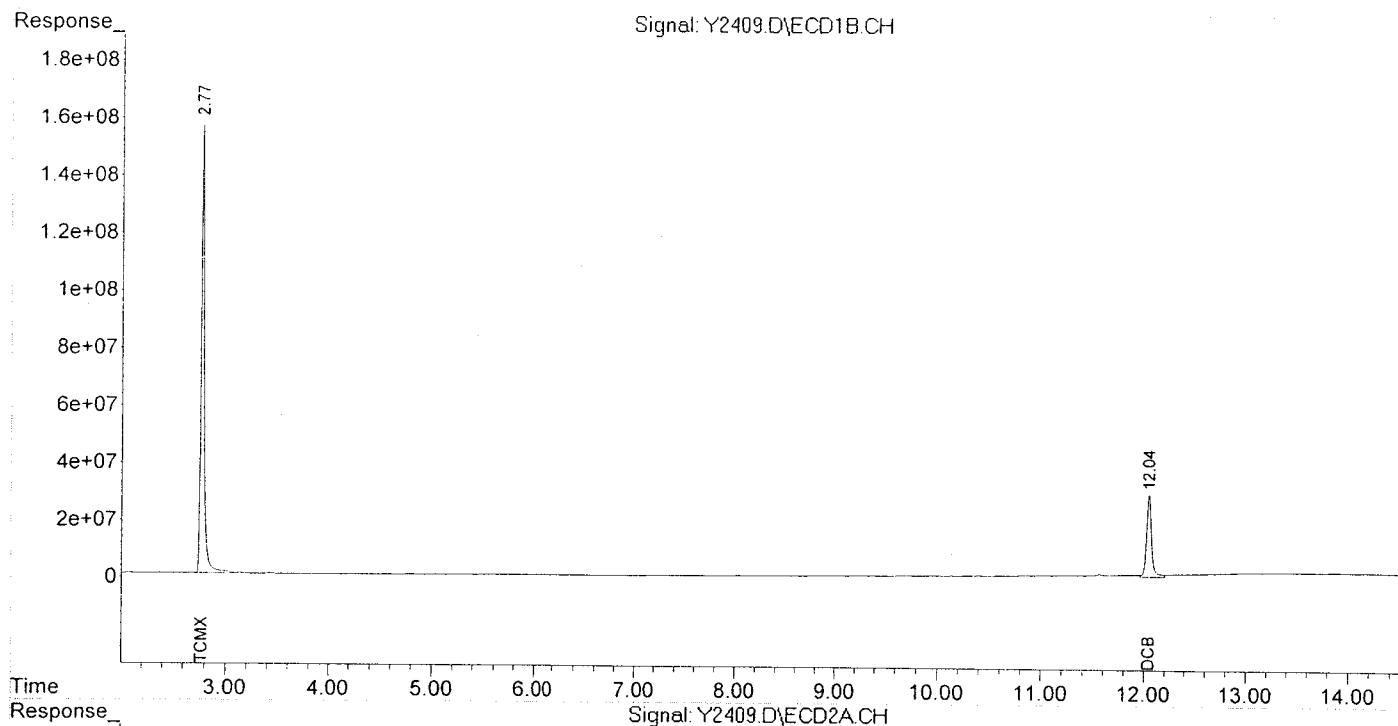
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-22-13\
Data File : Y2409.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 22 Oct 2013 21:25
Operator : NG
Sample : PCB, BLKA131021-17.A, 1000ml, 100.5
Misc : NA,NA,NA,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 23 10:27:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0925.M
Quant Title :
QLast Update : Mon Sep 30 10:08:11 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKA131101-10

Client ID: PCB

Date Received: NA

Date Extracted: 11/01/2013

Date Analyzed: 11/01/2013

Data file: Y2696.D

GC Column: DB-5/DB1701P

Sample wt/vol: 1000ml

Matrix-Units: Aqueous- μ g/L (ppb)

Dilution Factor: 1

% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

D --- Dilution Performed

B --- Compound detected in Blank

J --- Value Less than RL & great than MDL

C --- Common laboratory contamination

E --- Exceeds upper level of Calibration curve

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
 Data File : Y2696.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 17:36
 Operator : NG
 Sample : PCB.BLKA131101-10.A,1000ml,100.5
 Misc : NA,11/01/13,NA,1
 ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 04 10:28:42 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :.
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3198.3E6	6701.3E6	176.217	160.102
Spiked Amount	200.000			Recovery	=	88.11% 80.05%
2) S DCB	12.03	12.47	756.9E6	1960.2E6	103.787	124.815
Spiked Amount	200.000			Recovery	=	51.89% 62.41%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

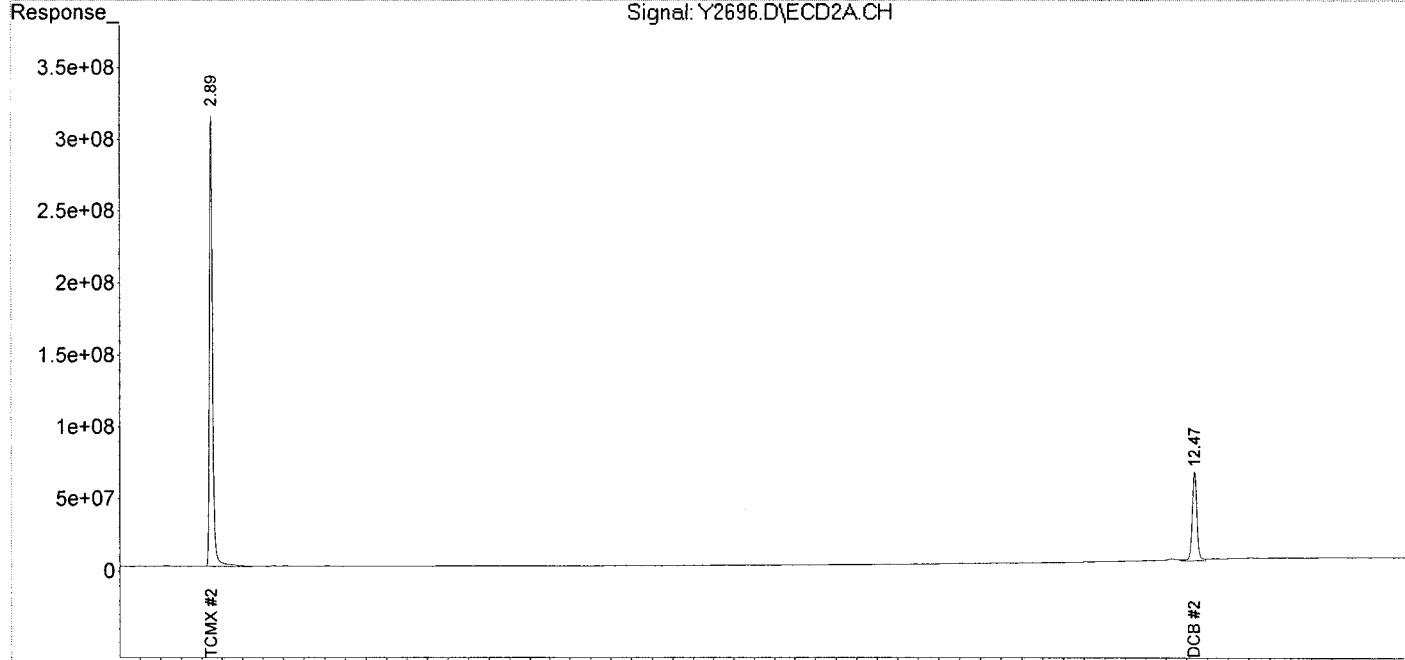
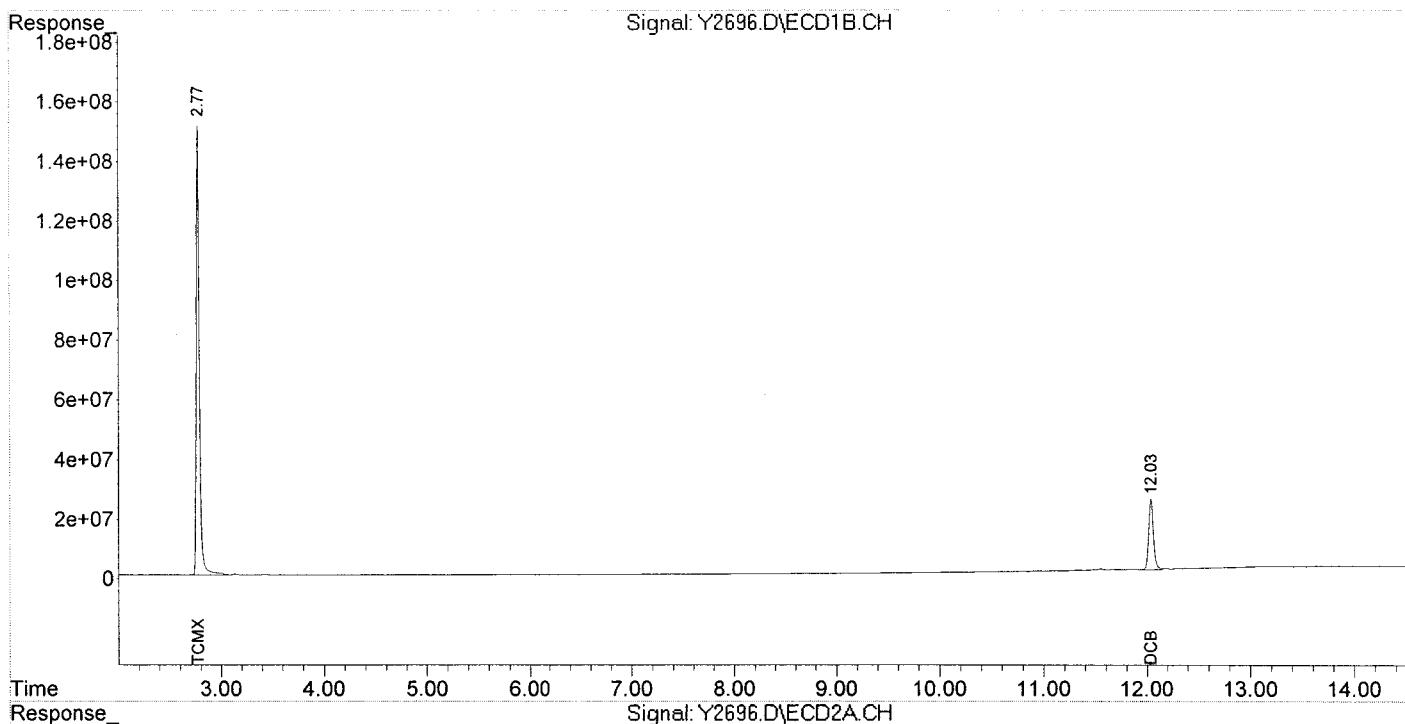
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\11-01-13\
Data File : Y2696.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 17:36
Operator : NG
Sample : PCB.BLKA131101-10.A,1000ml,100,5
Misc : NA,11/01/13,NA,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 04 10:28:42 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131031-06

Client ID: PCB

Date Received: NA

Date Extracted: 10/31/2013

Date Analyzed: 10/31/2013

Data file: Y2633.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND	0.040	0.016	
Aroclor-1221	ND	0.040	0.016	
Aroclor-1232	ND	0.040	0.016	
Aroclor-1242	ND	0.040	0.016	
Aroclor-1248	ND	0.040	0.016	
Aroclor-1254	ND	0.040	0.016	
Aroclor-1260	ND	0.040	0.016	
Aroclor-1262	ND	0.040	0.016	
Aroclor-1268	ND	0.040	0.016	
PCBs	ND	0.040	0.016	

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2633.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 31 Oct 2013 16:31
 Operator : NG
 Sample : PCB.BLKS131031-06.S,5.00g,0,20
 Misc : NA.10/31/13,NA,1
 ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 11:38:18 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3400.7E6	7013.1E6	187.368	167.551
Spiked Amount	200.000			Recovery	=	93.68% 83.78%
2) S DCB	12.03	12.47	895.7E6	2236.0E6	122.806	142.379
Spiked Amount	200.000			Recovery	=	61.40% 71.19%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

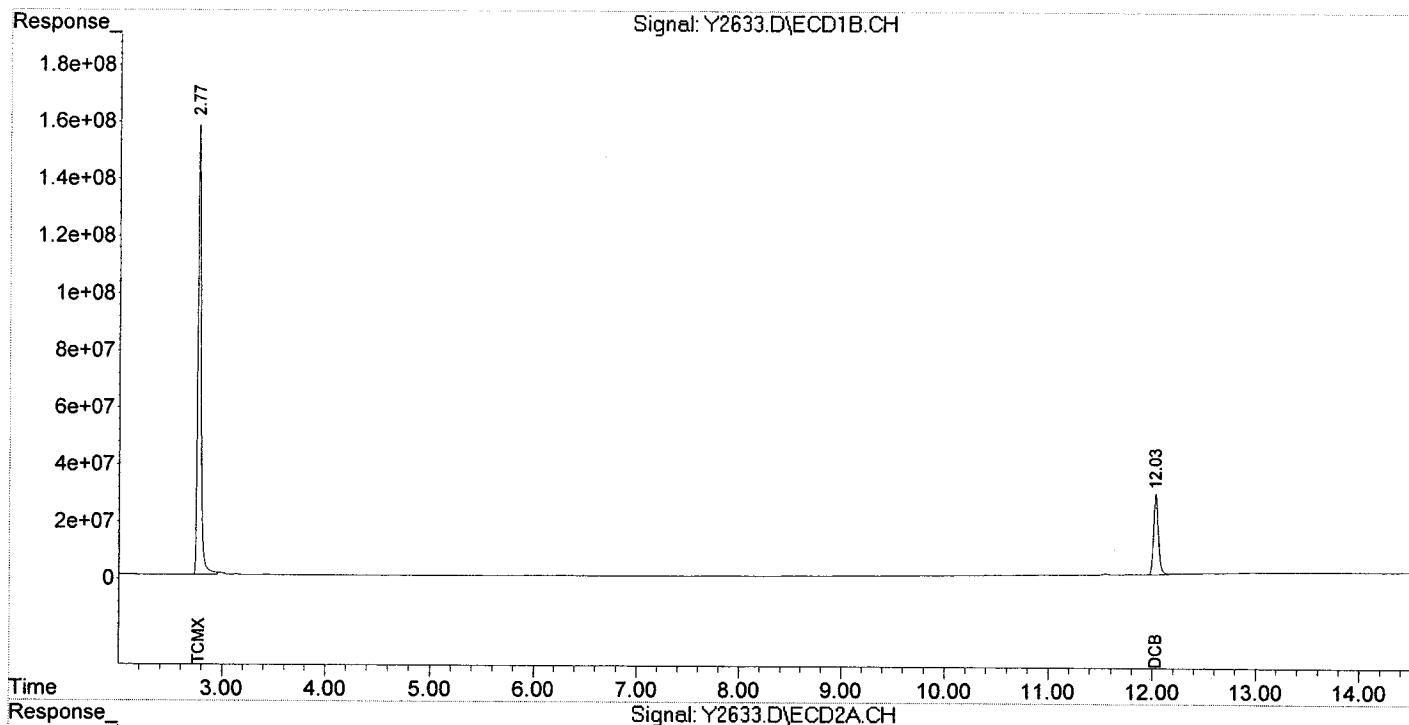
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2633.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 31 Oct 2013 16:31
Operator : NG
Sample : PCB.BLKS131031-06,S,5.00g,0.20
Misc : NA,10/31/13,NA,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 11:38:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES**PCB's**

Lab ID: BLKS131031-05

Client ID: PCB

Date Received: NA

Date Extracted: 10/31/2013

Date Analyzed: 11/01/2013

Data file: Y2657.D

GC Column: DB-5/DB1701P

Sample wt/vol: 5.00g

Matrix-Units: Soil-mg/Kg (ppm)

Dilution Factor: 1

% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

D --- Dilution Performed

J --- Value Less than RL & great than MDL

E --- Exceeds upper level of Calibration curve

B --- Compound detected in Blank

C --- Common laboratory contamination

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
 Data File : Y2657.D
 Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
 Acq On : 01 Nov 2013 1:23
 Operator : NG
 Sample : PCB.BLKS131031-05.S, 5.00g, 0, 20
 Misc : NA, 10/31/13, NA, 1
 ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Nov 01 13:16:43 2013
 Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
 Quant Title :
 QLast Update : Thu Oct 24 16:10:52 2013
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
<hr/>						
System Monitoring Compounds						
1) S TCMX	2.77	2.89	3455.3E6	7222.1E6	190.373	172.542
Spiked Amount	200.000			Recovery	= 95.19%	86.27%
2) S DCB	12.03	12.47	894.7E6	2278.5E6	122.677	145.081
Spiked Amount	200.000			Recovery	= 61.34%	72.54%
<hr/>						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000
<hr/>						

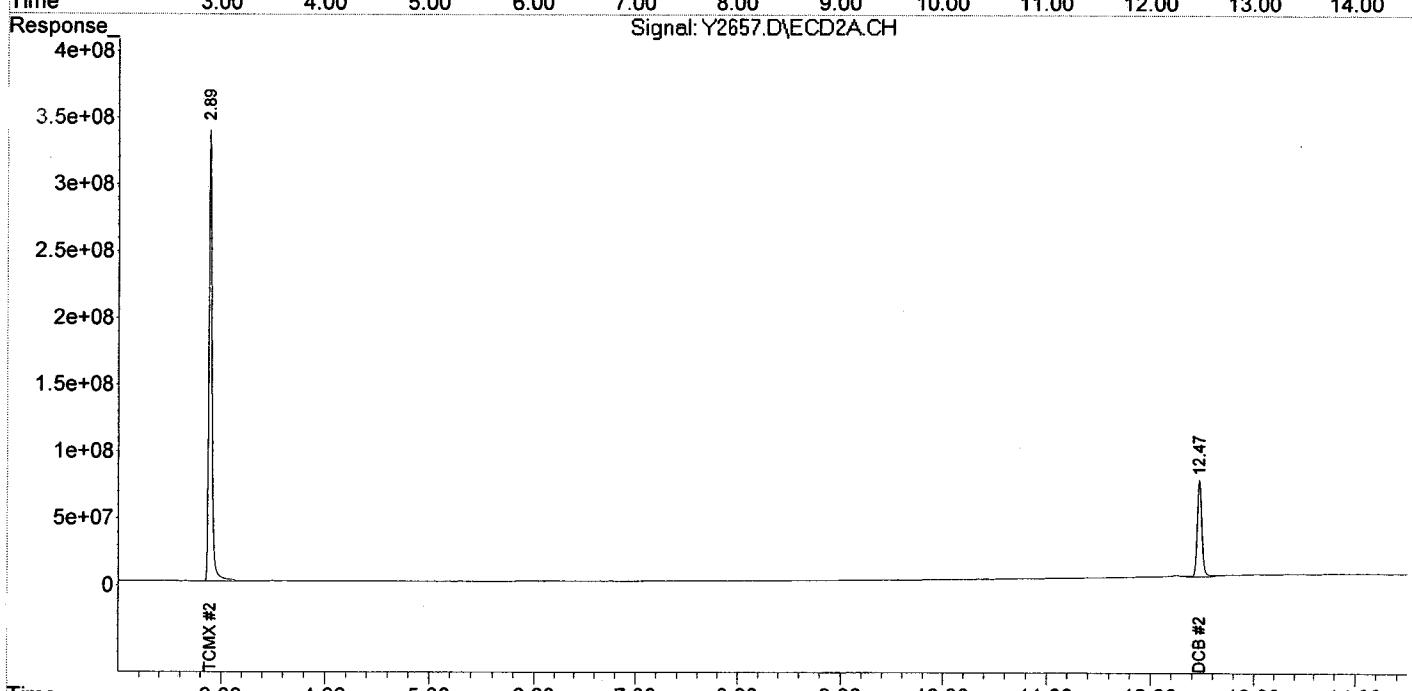
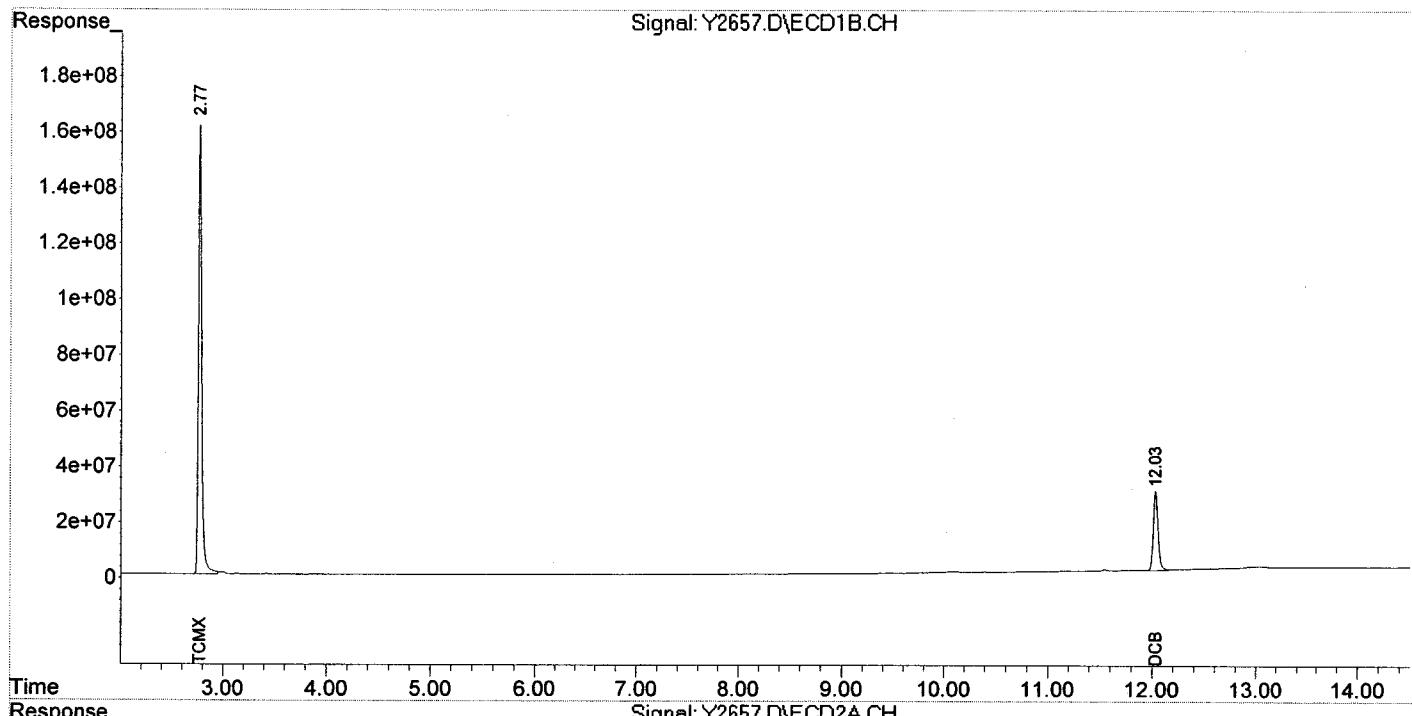
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\10-31-13\
Data File : Y2657.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 01 Nov 2013 1:23
Operator : NG
Sample : PCB, BLKS131031-05.S, 5.00g, 0, 20
Misc : NA, 10/31/13, NA, 1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Nov 01 13:16:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB1024.M
Quant Title :
QLast Update : Thu Oct 24 16:10:52 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



SAMPLE TRACKING



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO	
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby	
Address: 2109 Bridge Ave., Bldg. B	Address:	same	
Point Pleasant, NJ 07842			
Telephone #: (732) 295-2144	Attn:		
Fax #: (732) 295-2150	FAX # (732) 295-2150		
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.	
EMAIL Address: jclabby@jmcevironmental.com	Address: 4 Tri Harbor Court		
Sampler: Steve Kosch, Chris Cho	Port Washington, NY 11050		
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))		
Project Location (State): NJ	Attn: Ed Kelly		
Bottle Order #:	PO # 22126		
Quote #: SR041205			

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)																																		
<p>*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE</p> <table border="1"> <thead> <tr> <th colspan="2">PHC - MUST CHOOSE</th> <th>Rush TAT Charge **</th> <th>Report Format</th> <th>EDDs</th> </tr> </thead> <tbody> <tr> <td>NJ EPH DRO (5 day TAT)</td> <td>NJ EPH Fractionated (5 day TAT)</td> <td></td> <td>Results Only</td> <td>SRP format</td> </tr> <tr> <td>NJ EPH - C40 (5 day TAT)</td> <td>DRO-8015 (3-5 day TAT)</td> <td>24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day 10%</td> <td>Reduced Regulatory - 15% Surcharge applies Other (describe)</td> <td>lab approved custom EDD</td> </tr> <tr> <td></td> <td>QAM025 (5 day TAT)</td> <td></td> <td></td> <td>NO EDD/CD REQ'D</td> </tr> <tr> <td colspan="2">Verbal/Fax: Std 2 wk unless otherwise specified</td> <td>Other** (specify): _____</td> <td colspan="2">Cooler Temp <input checked="" type="checkbox"/> °C</td> </tr> <tr> <td colspan="2">24 hr** 48 hr** 72 hr** 96 hr** 1 wk**</td> <td colspan="3">Hard Copy: Std 3 week * Other - call for price</td> </tr> </tbody> </table>					PHC - MUST CHOOSE		Rush TAT Charge **	Report Format	EDDs	NJ EPH DRO (5 day TAT)	NJ EPH Fractionated (5 day TAT)		Results Only	SRP format	NJ EPH - C40 (5 day TAT)	DRO-8015 (3-5 day TAT)	24 hr - 100%... 48 hr - 75%... 72 hr - 50%... 96 hr - 35%... 5 day - 25%... 6-9 day 10%	Reduced Regulatory - 15% Surcharge applies Other (describe)	lab approved custom EDD		QAM025 (5 day TAT)			NO EDD/CD REQ'D	Verbal/Fax: Std 2 wk unless otherwise specified		Other** (specify): _____	Cooler Temp <input checked="" type="checkbox"/> °C		24 hr** 48 hr** 72 hr** 96 hr** 1 wk**		Hard Copy: Std 3 week * Other - call for price		
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24 hr** 48 hr** 72 hr** 96 hr** 1 wk**		Hard Copy: Std 3 week * Other - call for price																																

ANALYTICAL PARAMETERS										# BOTTLES & PRESERVATIVES					
TCL PCB (8082)										HCl	HNO3	MeOH	H2SO4	NaOH/ZnAc	Sterile
Client ID	Depth (ft only)	Sampling		Matrix	# container s	IAL #	Date	Time							
FF-45E (0-1.0)		10/29/13	11:50	S	1	1	x								
FF-45E (1.0-2.0)			11:51	S	1	2	x								
FF-45S (0-1.0)			10:30	S	1	3	x								
FF-45S (1.0-2.0)			10:31	S	1	4	x								
FF-46 (0-1.0)			10:57	S	1	5	x								
FF-46 (1.0-2.0)			10:58	S	1	6	x								
GG-46 (0-1.0)			1:15	S	1	7	x								
GG-46 (1.0-2.0)		✓	1:16	S	1	8	x								

Known Hazard: Yes or No Describe: Conc. Expected: Low Med High MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by: <i>CG</i>	10/29/13	15:15	Received by: <i>DS</i>	10/29/13	15:15
Relinquished by: <i>SK</i>	10/29/13	17:05	Received by: <i>DS</i>	10/29/13	17:05
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case #

10748

PAGE: 1 of 2

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TTO



Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO		REPORTING INFO		Turnaround Time (starts the following day if samples rec'd at lab > 5PM)																		
Company: JMC Environmental Consultants, Inc.	REPORT TO:	James Clabby		*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE																		
Address: 2109 Bridge Ave., Bldg. B Point Pleasant, NJ 08742	Address:	same																				
Telephone #: (732) 295-2144	Attn:																					
Fax #: (732) 295-2150	FAX #	(732) 295-2150																				
Project Manager: James Clabby	INVOICE TO:	Aceto Corp.																				
EMAIL Address: jclabby@jmcentvironmental.com	Address:	4 Tri Harbor Court																				
Sampler: Steve Kosch, Chris Cho	Port Washington, NY 11050																					
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))																					
Project Location (State): NJ	Attn: Ed Kelly																					
Bottle Order #:	PO # 22126																					
Quote # : SR041205	Sample Matrix																					
DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid W - Wipe																						
SAMPLE INFORMATION		ANALYTICAL PARAMETERS										# BOTTLES & PRESERVATIVES										
Client ID	Depth (ft only)	Sampling		# container s	IAL #	TCL PCB (8032)											HCl	HNO3	MeOH	H2SO4	NAOH/ZnAc	Sterile
		Date	Time																			
DD-43/EE-44(5.0-6.0)	10/29/13	1:55	S	1	9	x																
Z-46 (0-1.0)		2:12	S	1	10	x																
Z-46 (1.0-2.0)		2:14	S	1	11	x																
Z-47 (0-1.0)		2:37	S	1	12	x																
Z-47 (1.0-2.0)		2:38	S	1	13	x																
FB-28		3:05	aq	2	14	x																
						x																
Known Hazard: Yes or No		Describe:		Conc. Expected:		Low	Med	High	MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)													

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): IAL Courier Client Courier FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	10/29/13	15:15	Received by:	10/29/13	15:15
Relinquished by:	10/29/13	17:05	Received by:	10/29/13	17:05
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 10748

PAGE: 2 of 2

LAB COPIES - WHITE & YELLOW; CLIENT COPY - PINK

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2

PROJECT INFORMATION

E13-10748: ARSYNCO

To: Jim Clabby
 JMC Environmental Consultants
 Fax: 1(732) 295-2150
 EMail: jclabby@jmcenvironmental.com; ah

Report To

JMC Environmental Consultants
 2109 Bridge Avenue
 Building B
 Point Pleasant, NJ 08742
 Attn: Jim Clabby

Bill To

JMC Environmental Consultants
 Aceto Corp.
 4 Tri Harbor Court
 Port Washington, NY 11050
 Attn: Mr. Ed Kelly

Report Format	P.O. #	Received At Lab	TPHC Due	Verbal Due	Hardcopy Due
Reduced	22126	Oct 29, 2013 @ 17:05	NA	Nov 13, 2013	Nov 20, 2013 *

* Any *Conditional or Hold* status will delay final hardcopy report sent date.

Diskette Req. SRP TXT

**** QC Requirement (must meet): NJ SRS**

Lab ID	Client Sample ID	Depth	Sampling Time	Matrix	Unit	Field pH/Temp
10748-001	FF-45E (0-1.0)	0/1	10/29/13@11:50	Soil	mg/Kg (ppm)	
10748-002	FF-45E (1.0-2.0)	1/2	10/29/13@11:51	Soil	mg/Kg (ppm)	
10748-003	FF-45S (0-1.0)	0/1	10/29/13@10:30	Soil	mg/Kg (ppm)	
10748-004	FF-45S (1.0-2.0)	1/2	10/29/13@10:31	Soil	mg/Kg (ppm)	
10748-005	FF-46 (0-1.0)	0/1	10/29/13@10:57	Soil	mg/Kg (ppm)	
10748-006	FF-46 (1.0-2.0)	1/2	10/29/13@10:58	Soil	mg/Kg (ppm)	
10748-007	GG-46 (0-1.0)	0/1	10/29/13@13:15	Soil	mg/Kg (ppm)	
10748-008	GG-46 (1.0-2.0)	1/2	10/29/13@13:16	Soil	mg/Kg (ppm)	
10748-009	DD-43/EE-44 (5.0-6.0)	5/6	10/29/13@13:55	Soil	mg/Kg (ppm)	
10748-010	Z-46 (2.0-3.0)	2/3	10/29/13@14:12	Soil	mg/Kg (ppm)	
10748-011	Z-46 (3.0-4.0)	3/4	10/29/13@14:14	Soil	mg/Kg (ppm)	
10748-012	Z-47 (2.0-3.0)	2/3	10/29/13@14:37	Soil	mg/Kg (ppm)	
10748-013	Z-47 (3.0-4.0)	3/4	10/29/13@14:38	Soil	mg/Kg (ppm)	
10748-014	FB-28	NA	10/29/13@15:05	Aqueous	mg/L (ppm)	

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
001	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
002	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
003	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
004	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
005	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
006	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
007	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
008	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
009	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013



PROJECT INFORMATION

E13-10748: ARSYNCO

Sample #	Test	Status	QA Method	TAT	Holding Time Expires
010	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
011	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
012	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
013	TCL PCB	Analyze	8082A	STD/2 WKS	11/12/2013
014	TCL PCB	Analyze	8082A	STD/2 WKS	11/5/2013

Project Notes:

NOTE 2 taken by kim on 10/30/2013 11:33

MISSING SAMPLES 10-13

RECEIVED Z-46 (2.0-3.0), Z-46 (3.0-4.0), Z-47 (2.0-3.0), Z-47 (3.0-4.0)

PER CHRIS CHO, DEPTHS ON LABELS ARE CORRECT, COC IS INCORRECT.

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: E 13

10748

CLIENT:

JMC

COOLER TEMPERATURE: 2° - 6°C:

(See Chain of Custody)

Comments

COC: **COMPLETE** / INCOMPLETE
KEY = YES/NAVOA received: Encore IGW - Methanol = NO(check one) Terra Core No Preservative Bottles Intact no-Missing Bottles no-Extra Bottles

Missing #s 10 - 13

Received Z-46 (2.0-3.0), Z-46 (3.0-4.0), Z-47 (2.0-3.0),

 Sufficient Sample Volume

and Z-47 (3.0-4.0)

 no-headspace/bubbles in VOs Labels intact/correct pH Check (exclude VOs)¹ Correct bottles/preservative Sufficient Holding/Prep Time¹ Multiphasic Sample Sample to be Subcontracted Chain of Custody is Clear

¹ All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS: _____

SAMPLE(S) VERIFIED BY: INITIAL



DATE

16 29 13

CORRECTIVE ACTION REQUIRED:

YES

(SEE BELOW)

NO

If COC is NOT clear, **STOP** until you get client to authorize/clarify work.

CLIENT NOTIFIED:

YES

Date/ Time:

10/30 = 845

NO

PROJECT CONTACT:

Chris Cho

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

Depths on labels (2-3) + (3-4) are correct. COC is wrong.
ES 10/30

VERIFIED/TAKEN BY:

INITIAL

Kf

DATE

10/30/13

E13-10748 REV 09/2013 0116

Laboratory Custody Chronicle

IAL Case No.

E13-10748

Client JMC Environmental Consultants

Project ARSYNCO

Received On 10/29/2013@17:05

Department: GC

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
TCL PCB	10748-001	Soil	10/31/13	Archimede	10/31/13	Nicole
"	-002	"	10/31/13	Archimede	10/31/13	Nicole
"	-003	"	10/31/13	Archimede	10/31/13	Nicole
"	-004	"	10/31/13	Archimede	10/31/13	Nicole
"	-005	"	10/31/13	Archimede	10/31/13	Nicole
"	-006	"	10/31/13	Archimede	10/31/13	Nicole
"	-007	"	10/31/13	Archimede	10/31/13	Nicole
"	-008	"	10/31/13	Archimede	10/31/13	Nicole
"	-009	"	10/31/13	Archimede	10/31/13	Nicole
"	-010	"	10/31/13	Archimede	10/31/13	Nicole
"	-011	"	10/31/13	Archimede	10/31/13	Nicole
"	-012	"	10/31/13	Archimede	10/31/13	Nicole
"	-013	"	10/31/13	Archimede	10/31/13	Nicole
"	-014	Aqueous	11/ 1/13	Archimede	11/ 1/13	Nicole